



Tag Number: 20A1001-1

Unit: PROJNO  
 Unit Name: THIS IS A SAMPLE PROJECT  
 Enterprise: THIS IS CLIENT NAME

<b>ANALYSIS DEVICE</b>  <b>Operating Parameters</b>	6	<b>SPECIFICATION IDENTIFICATIONS</b>	
	7	Document No.	
	8	Latest Revision	Date:
	9	Issue Status	
	10		

11	<b>ADMINISTRATIVE IDENTIFICATIONS</b>			40	<b>SERVICE IDENTIFICATIONS (Continued)</b>		
12	Project number	Sub project no:		41	Return conn matl type		
13	Project			42	Inline hazardous area cl	DivZone:	Group:
14	Enterprise			43	Inline area min ign temp	Temp ident no.	
15	Site			44	Remote hazardous area cl	DivZone:	Group:
16	Area	Cell:	Unit:	45	Remote area min ign temp	Temp ident no.	
17				46			
18	<b>SERVICE IDENTIFICATIONS</b>			47			
19	Tag/Functional ident			48	<b>COMPONENT DESIGN CRITERIA</b>		
20	Related equipment			49	Component Type		
21	Service			50	Component style		
22				51	Output signal type		
23	P&ID/Reference dwg number			52	Characteristic curve		
24	Process line/nozzle no			53	Compensation style		
25	Process conn pipe spec			54	Type of protection		
26	Process conn nominal size	Rating:		55	Criticality code		
27	Process conn termn type	Style:		56	Max EMI susceptibility	Ref:	
28	Process conn schedule no	Wall Thickness:		57	Max temperature effect	Ref:	
29	Process connection length			58	Max sample time lag		
30	Process line matl type			59	Max response time		
31	Fast loop line number			60	Min required accuracy	Ref:	
32	Fast loop pipe spec			61	Avail nom power supply	Number Wires:	
33	Fast loop conn nom size	Rating:		62	Calibration method		
34	Fast loop conn termn type	Style:		63	Testing/Listing agency		
35	Fast loop schedule no	Wall Thickness:		64	Test requirements		
36	Fast loop estimated lg			65	Supply loss failure mode		
37	Fast loop material type			66	Signal loss failure mode		
38	Return conn nominal size	Rating:		67			
39	Return conn termn type	Style:		68			
69	<b>PROCESS VARIABLES</b>		<b>MATERIAL FLOW CONDITIONS</b>		101	<b>PROCESS DESIGN CONDITIONS</b>	
70	<b>Flow Case Identification:</b>			<b>Units</b>	102	<b>Minimum</b>	<b>Maximum</b>
71	Process pressure				103		
72	Process temperature				104		
73	Process phase type				105		
74	Process liquid actl flow				106		
75	Process vapor actl flow				107		
76	Process vapor std flow				108		
77	Process liquid density				109		
78	Process vapor density				110		
79	Process liquid viscosity				111		
80	Sample return pressure				112		
81	Sample vent/drain press				113		
82	Sample temperature				114		
83	Sample phase type				115		
84	Fast loop liq actl flow				116		
85	Fast loop vapor actl flow				117		
86	Fast loop vapor std flow				118		
87	Fast loop vapor density				119		
88	Conductivity/Resistivity				120		
89	pH/ORP				121		
90	RH/Dewpoint				122		
91	Turbidity/Opacity				123		
92	Dissolved oxygen				124		
93	Corrosivity				125		
94	Particle size				126		
95					127		
96	<b>CALCULATED VARIABLES</b>				128		
97	Sample lag time				129		
98	Process fluid velocity				130		
99	Wake/natural freq ratio				131		
100					132		
133	<b>MATERIAL PROPERTIES</b>			137	<b>MATERIAL PROPERTIES (Continued)</b>		
134	Name			138	NFPA health hazard		Flammability: Reactivity:
135	Density at ref temp	At:		139			
136				140			

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS

Form No. 20A1001





Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20Z2011-1

<b>ELECTROMECHANICAL LIMIT SWITCH</b>  <b>Device Specification</b>		6	<b>SPECIFICATION IDENTIFICATIONS</b>	
		7	Document No.	Date:
		8	Latest Revision	
		9	Issue Status	
		9.1	Purchase Order No.	

11	<b>OPERATING PARAMETERS</b>				64	<b>SWITCH MECHANISM (Continued)</b>			
12	Project number	Sub project no.:			65	Integral indicator style			
13	Project				66	Signal termination type			
14	Enterprise				67	Cert/Approval type			
15	Site				68	Time delay type			
16	Area	Cell:	Unit:		69	Contact material			
17	Related equipment				70				
18	Service				71				
19	Service 2				72	<b>LEAD WIRE AND EXTENSION</b>			
20	P&ID/Reference dwg number				73	Extension type			
21	Inline hazardous area cl	Div/Zone:	Group:		74	Conductor nominal size			
22	Inline area min ign temp	Temp ident no.:			75	Cable length			
23	Minimum temperature				76	Connector configuration			
24	Maximum temperature				77	Signal termination type			
25	Min required overtravel				78	Cable jacket material			
26	Maximum travel to operate				79				
27	Actuating material				80				
28					81	<b>PERFORMANCE CHARACTERISTICS</b>			
29					82	Operating force/torque			
30					83	Repeatability	Ref:		
31	<b>SWITCH HOUSING</b>				84	Max over travel limit			
32	Housing type				85	Max travel to reset			
33	Construction style				86	Min ambient working temp			
34	Nominal size				87	Contacts ac rating			
35	Enclosure type no/class				88	Contacts dc rating			
36	Mounting location/type				89	Mechanical life cycles			
37	Housing material				90	Electrical life cycles			
38					91				
39					92				
40	<b>ACTUATOR</b>				93	<b>ACCESSORIES</b>			
41	Actuator type				94				
42	Actuator style				95	Mating connector			
43	Free position LRL	URL:			96	Mounting adaptor/base			
44	Pre-Travel to operate				97				
45	Total travel				98				
46	Operator type				99				
47	Movement operation mode				100	<b>SPECIAL REQUIREMENTS</b>			
48	Lever nominal size				101	Custom tag			
49	Mounting orientation				102	Reference specification			
50	Lever arm material				103	Compliance standard			
51	Roller/Rod material				104				
52	Seal material				105				
53					106				
54					107	<b>PHYSICAL DATA</b>			
55	<b>SWITCH MECHANISM</b>				108	Estimated weight			
56	Switch type				109	Overall width			
57	Contact style				110	Overall length/height			
58	Nominal contact rating				111	Overall depth			
59	Output signal type				112	Signal conn nominal size			
60	Switch action type				113	Mfr reference dwg			
61	Digital communication std				114				
62	Circuitry type				115				
63	Contacts arrangement	Quantity:			116				
117	<b>CALIBRATIONS AND TEST</b>				<b>INPUT OR SETPOINT</b>		<b>OUTPUT</b>		
118	<b>TAG NO/FUNCTION IDENT</b>	<b>MEAS/SIGNAL/TEST</b>		<b>LRV</b>	<b>URV</b>	<b>Units</b>		<b>LRV</b>	<b>URV</b>
119	20Z2011-1	Position setpoint 1-Output							
120		Position setpoint 2-Output							
121		Position-Analog output							
122									
123	<b>COMPONENT IDENTIFICATIONS</b>								
124	<b>COMPONENT TYPE</b>			<b>MANUFACTURER</b>			<b>MODEL NUMBER</b>		
125									
126									
127									
128									
Rev	<b>Date</b>	<b>Revision Description</b>			<b>By</b>	<b>Appv1</b>	<b>Appv2</b>	<b>Appv3</b>	<b>REMARKS</b>



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20W2221-1

**ELECTRONIC WEIGHT TRANSMITTER  
 INDICATOR OR CONTROLLER  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	
8	Latest Revision	Date:
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>OPERATING PARAMETERS</b>			53	<b>PERFORMANCE CHARACTERISTICS</b>					
12	Project number	Sub project no.:		54	Linearity			Ref.:		
13	Project			55	Repeatability			Ref.:		
14	Enterprise			56	Max input signal					
15	Site			57	Max resolution					
16	Area	Cell:	Unit:	58	Sensitivity			Ref.:		
17	Related equipment			59	Max response time					
18	Service			60	Min ambient working temp			Max.:		
19				61	Contacts ac rating			At Max.:		
20	P&ID/Reference dwg number			62	Contacts dc rating			At Max.:		
21	Remote hazardous area cl	Div/Zone:	Group:	63	Max sensor to receiver lg					
22	Remote area min ign temp	Temp ident number:		64						
23				65						
24				66						
25	<b>TRANSMITTER OR INDICATOR</b>			67	<b>ACCESSORIES</b>					
26	Housing type			68	Remote indicator style					
27	Interface style			69	Remote indicator mounting					
28	Input sensor/signal type			70	Remote indicator enclosur					
29	Input excitation style			71	Calibrator style					
30	Output signal type			72						
31	Analog output resolution			73						
32	Enclosure type no/class			74						
33	Control mode			75						
34	Local operator interface			76	<b>SPECIAL REQUIREMENTS</b>					
35	Characteristic curve			77	Custom tag					
36	Digital communication std			78	Reference specification					
37	Signal power source			79	Compliance standard					
38	Aux input signal type			80	Software configuration					
39	Max qty sensor/xdcr/xmtr			81	Software program					
40	Signal summing circuit			82						
41	Contacts arrangement	Quantity:		83						
42	Integral indicator style			84						
43	Display resolution			85	<b>PHYSICAL DATA</b>					
44	Cert/Approval type			86	Estimated weight					
45	Mounting location/type			87	Overall width					
46	Failure/Diagnostic action			88	Overall height					
47	Transducer diagnostics			89	Overall depth					
48	Signal filtration			90	Signal conn nominal size			Style:		
49	Transducer calibration			91	Mfr reference dwg					
50	Enclosure material			92						
51				93						
52				94						
110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR TEST</b>			<b>OUTPUT OR SCALE</b>			
111	<b>TAG NO/FUNCTION IDENT</b>	<b>MEAS/SIGNAL/SCALE</b>		<b>LRV</b>	<b>URV</b>	<b>Units</b>	<b>ACTION</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>
112	20W2221-1	Weight-Analog output 1								
113		Weight-Analog output 2								
114		Weight-Digital output								
115		Weight-Scale 1								
116		Weight-Scale 2								
117		Weight setpoint 1-Output								
118		Weight setpoint 2-Output								
119		Weight setpoint 3-Output								
120		Weight setpoint 4-Output								
121		Weight setpoint 5-Output								
122		Weight setpoint 6-Output								
123		Weight setpoint 7-Output								
124		Weight setpoint 8-Output								
125		Failure signal-Output								
126										
127	<b>COMPONENT IDENTIFICATIONS</b>									
128	<b>COMPONENT TYPE</b>			<b>MANUFACTURER</b>			<b>MODEL NUMBER</b>			
129										
130										
131										
132										
Rev	Date	Revision Description		By	Appv1	Appv2	Appv3	REMARKS		



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20W2211-1

LOAD CELL OR TRANSDUCER  Device Specification	6	SPECIFICATION IDENTIFICATIONS	
	7	Document No.	Date:
	8	Latest Revision	
	9	Issue Status	
	9.1	Purchase Order No.	

11	BODY OR HOUSING		58	SUMMING UNIT OR JUNCTION BOX	
12	Body/Housing type		59	Configuration type	
13	Construction style		60	Enclosure type no/class	
14	Load conn/thru-hole size		61	Max input signal quantity	
15	Load conn termn type	Style:	62	Cert/Approval type	
16	Load button		63	Mounting location/Type	
17	Body/Housing material		64	Enclosure material	
18	Seal/O ring material		65		
19			66		
20			67	PERFORMANCE CHARACTERISTICS	
21	SENSING ELEMENT		68	Min working temperature	Max.:
22	Force sensor type		69	Accuracy rating	Ref:
23	Construction style		70	Linearity	Ref:
24	Rated capacity/stress		71	Repeatability	Ref:
25	Rated nominal output		72	Temp compensation LRL	URL:
26	Nominal resistance		73	Overrange limit	Ref:
27			74	Temp effect on zero	Ref:
28			75	Temp effect on span	Ref:
29	SIGNAL OR AMPLIFIER		76	Life cycles	
30	Configuration type		77		
31	Output signal type		78		
32	Enclosure type no/class		79		
33	Local adjustment type		80	ACCESSORIES	
34	Signal termination type		81	Simulated component	
35	Supply/Excitation voltage		82	Mating connector	
36	Cert/Approval type		83	Access ramp	
37	Mounting location/type		84	Pit frame	
38	Remote enclosure material		85		
39			86		
40			87		
41	LEAD WIRE AND EXTENSION		88	SPECIAL REQUIREMENTS	
42	Extension type		89	Custom tag	
43	Conductor nominal size		90	Reference specification	
44	Cable length		91	Compliance standard	
45	Connector configuration		92	Calibration report	
46	Signal termination type		93		
47	Cable jacket material		94		
48			95		
49			96	PHYSICAL DATA	
50	MOUNTING HARDWARE		97	Estimated weight	
51	Hardware type		98	Overall length	
52	Construction style		99	Overall height	
53	Surface finish		100	Outside diameter/Width	
54	Hardware material		101	Signal conn nominal size	Style:
55	Isolation pad material		102	Mfr reference dwg	
56			103		
57			104		

CALIBRATIONS AND TEST			INPUT OR TEST			OUTPUT OR SCALE		
TAG NO/FUNCTION IDENT	MEAS/SIGNAL/SCALE	LRV	URV	Units	LRV	URV	Units	
111	20W2211-1	Weight 1- Output signal						
112		Weight 2- Output signal						
113		Weight 3- Output signal						
114		Weight 4- Output signal						
115		Weight 5- Output signal						
116		Weight 6- Output signal						
117		Weight 7- Output signal						
118		Weight 8- Output signal						
119		Weight sum-Output signal						
120								

122	COMPONENT IDENTIFICATIONS							
123	COMPONENT TYPE		MANUFACTURER			MODEL NUMBER		
124								
125								
126								
127								

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Unit.: PROJNO  
 Unit Name: THIS IS A SAMPLE PROJECT  
 Enterprise: THIS IS CLIENT NAME

Tag Number: 20W1001-1

<b>WEIGHT OR FORCE DEVICE</b>
<b>Operating Parameters</b>

SPECIFICATION IDENTIFICATIONS	
6	Document No.
7	Latest Revision
8	Date:
9	Issue Status
10	

ADMINISTRATIVE IDENTIFICATIONS	
11	Project number
12	Sub project no:
13	Project
14	Enterprise
15	Site
16	Area
17	Cell: Unit
SERVICE IDENTIFICATIONS	
18	Tag/Functional ident
19	Related equipment
20	Service
21	Service
22	P&ID/Reference dwg number
23	Washdown environment
24	Vessel orientation
25	Vessel nominal diameter
26	Vessel overall height
27	Vessel support type
28	Qty vessel support points
29	Agitation type
30	Piping connection style
31	Vessel support material
32	Seismic classification
33	
34	
35	
36	
37	
38	
39	

SERVICE IDENTIFICATIONS (Continued)	
40	Local hazardous area cl
41	DivZone: Group:
42	Local area min ign temp
43	Temp ident no:
44	Remote hazardous area cl
45	DivZone: Group:
46	Remote area min ign temp
47	Temp ident no.
COMPONENT DESIGN CRITERIA	
48	Component type
49	Component style
50	Output signal type
51	Characteristic curve
52	Compensation style
53	Type of protection
54	Criticality code
55	Max EMI susceptibility
56	Ref:
57	Max response time
58	Minimum required accuracy
59	Ref:
60	Avail nom power supply
61	Number Wires:
62	Testing/Listing agency
63	Test requirements
64	Supply loss failure mode
65	Signal loss failure mode
66	
67	
68	

PROCESS VARIABLES		PROCESS DESIGN CONDITIONS		
70	Condition Identifications	Minimum	Maximum	Units
71	Temperature			
72	Dead load/empty weight			
73	Live load/content weight			
74	Tension force			
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
CALCULATED VARIABLES				
94	Max Seismic forces			
95	Max Wind forces			
96				
97				
98				
99				
MATERIAL PROPERTIES				
100	Name			
101	Material phase			
102	Density at ref temp		At:	
103	NFPA health hazard		Flammability:	Reactivity:
104				
105				

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS A SAMPLE PROJECT  
 Enterprise: THIS IS CLIENT NAME

Tag Number: 20P2921-1

**PRESSURE RELIEF VALVE**  
  
**Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	
8	Latest Revision	Date:
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>VALVE BODY</b>			60	<b>PERFORMANCE CHARACTERISTICS</b>		
12	Body type			61	Max inlet press at temp	At:	
13	Nozzle style			62	Max back press at temp	At:	
14	Valve nominal size			63	Min working temperature	Max:	
15	Inlet conn nominal size	Style:		64	Set pressure LRL	URL:	
16	Inlet conn termn type	Rating:		65	Rated relieving capacity	At:	
17	Outlet conn nominal size	Style:		66	Rated coef of discharge		
18	Outlet conn termn type	Style:		67	Rated seat leakage rate		
19	Body/Cylinder material			68	Actual discharge area		
20	Nozzle/Base material			69			
21	Bolting material			70			
22	Separable flange matl			71			
23	Gasket/O ring material			72			
24				73			
25				74			
26				75			
27	<b>VALVE TRIM</b>			76			
28	Trim type			77			
29	Seat style			78			
30	Orifice designation	Effective Area:		79			
31	Blowdown type			80	<b>ACCESSORIES</b>		
32	Disc holder material			81	Silencer		
33	Disc insert material			82	Weatherhood		
34	Guide material			83	Drip pan elbow		
35	O ring/Soft seat matl			84	Bug proof vent		
36	Bellows material			85			
37	Adjusting ring material			86			
38				87			
39				88	<b>SPECIAL REQUIREMENTS</b>		
40				89	Custom tag		
41	<b>SPRING AND BONNET</b>			90	Reference specification		
42	Bonnet type			91	Special preparation		
43	Bonnet style			92	Compliance standard		
44	Lifting device type			93	Construction code		
45	Cap type			94	Certification		
46	Restricted lift style			95	Special inspection		
47	Bonnet/Yoke material			96	Service design		
48	Spring material			97			
49	Spring washer/Step matl			98			
50	Adjusting screw/bolt matl			99	<b>PHYSICAL DATA</b>		
51	Stem/Spindle material			100	Estimated weight		
52	Cap material			101	Overall height		
53	Gasket/O ring matl			102	Dismantle clearance		
54				103	Inlet center-to-face lg		
55				104	Outlet center-to-face lg		
56				105	Mfr reference dwg		
57				106			
58				107			
59				108			
110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR SETPOINT</b>			
111	<b>TAG NO/FUNCTION IDENT</b>	<b>TEST</b>		<b>LRV</b>	<b>URV</b>	<b>UNITS</b>	
112	20P2921-1	CDTP-Setpoint					
113		Blowdown-Setpoint					
114							
115							
116							
117							
118	<b>COMPONENT IDENTIFICATIONS</b>						
119	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>		<b>MODEL NUMBER</b>			
120							
121							
122							
123							
124							
125							
Rev	<b>Date</b>	<b>Revision Description</b>	<b>By</b>	<b>Appv1</b>	<b>Appv2</b>	<b>Appv3</b>	<b>REMARKS</b>



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS A SAMPLE PROJECT  
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Tag Number: 20P2901-1

**RUPTURE DISC ASSEMBLY  
 w/wo BURST SENSOR  
 Device Specification**

SPECIFICATION IDENTIFICATIONS	
6	Document No.
7	Latest Revision
8	Issue Status
9	Purchase Order No.
9.1	
10	

DISC HOLDER			PERFORMANCE CHARACTERISTICS				
11	Assembly type	60	61	Min working temperature	Max:		
12	Disc holder style	61	62	Max opr pressure ratio	Ref:		
13	Inlet conn nominal size	62	63	Rupture/Burst tolerance	Ref:		
14	Inlet conn termn type	63	64	Flow resistance factor			
15	Outlet conn nominal size	64	65	Mfg design range LRL	URL:		
16	Outlet conn termn type	65	66	Minimum net flow area			
17	End conn schedule no	66	67	Contacts ac rating	At Max:		
18	Gauge tap conn nom size	67	68	Contacts dc rating	At Max:		
19	Compansion flange design	68	69				
20	Preassembly method	69	70				
21	Knife blade type	70	71				
22	Seat style	71	72				
23	Jack screws	72	73				
24	Alignment style	73	74				
25	Lifting device	74	75				
26	Inlet base/Body matl	75	76				
27	Outlet holddown/Body matl	76	77				
28	Lining/Coating material	77	78				
29	Bolting material	78	79				
30	Gasket/O ring material	79	80				
31		80	81				
32		81	82				
33		82	83				
34		83	84				
35		84	85				
36		85	86				
37		86	87				
38		87	88				
39		88	89				
40		89	90				
41		90	91				
42		91	92				
43		92	93				
44		93	94				
45		94	95				
46		95	96				
47		96	97				
48		97	98				
49		98	99				
50		99	100				
51		100	101				
52		101	102				
53		102	103				
54		103	104				
55		104	105				
56		105	106				
57		106	107				
58		107	108				
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Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO

Unit Name: THIS IS A SAMPLE PROJECT

Enterprise: THIS IS CLIENT NAME

Tag Number:

20P1002-1

PRESSURE SAFETY DEVICE					6	SPECIFICATION IDENTIFICATIONS				
Operating Parameters					7	Document No.				
					8	Latest Revision	Date:			
					9	Issue Status				
					10					
11	<b>ADMINISTRATIVE IDENTIFICATIONS</b>				39	<b>SERVICE IDENTIFICATIONS (Continued)</b>				
12	Project number	Sub project no:			40	Fire-fighting/Drainage				
13	Project				41	Inline hazardous area cl	DivZone:	Group:		
14	Enterprise				42	Inline area min ign temp	Temp ident no.			
15	Site				43	Remote hazardous area cl	DivZone:	Group:		
16	Area	Cell:	Unit:		44	Remote area min ign temp	Temp ident no.			
17					45					
18	<b>SERVICE IDENTIFICATIONS</b>				46					
19	Tag number				47	<b>COMPONENT DESIGN CRITERIA</b>				
20	Related equipment				48	Component Type				
21	Service				49	Component style				
22	Service				50	Output signal type				
23	P&ID/Reference dwg number				51	Seat leakage class				
24	Fluid service				52	Type of protection				
25	Source of overpressure				53	Criticality code				
26	Inlet line/nozzle number				54	Set/Burst pressure				
27	Inlet line pipe spec				55	Allowable SPL @ Capacity				
28	Inlet line nominal size	Rating:			56	Preliminary selected area				
29	Inlet line conn type	Style:			57	Eff coef of discharge				
30	Inlet line material type				58	Disk combination factor				
31	Outlet line/nozzle number				59	Avail nom power supply	Number Wires:			
32	Outlet line pipe spec				60	Required design code				
33	Outlet line nominal size	Rating:			61	Test requirements				
34	Outlet line conn type	Style:			62	Supply loss failure mode				
35	Outlet line material type				63	Signal loss failure mode				
36	Vessel wetted area				64	Calculation basis				
37	Vessel exposed area				65					
38	Environmental factor				66					
67	<b>PROCESS VARIABLES</b>					<b>PROCESS DESIGN CONDITIONS</b>				
68	<b>Condition Identification</b>	<b>Non-fire</b>	<b>Fire</b>	<b>Capacity</b>	<b>Units</b>	98	<b>Minimum</b>	<b>Normal</b>	<b>Maximum</b>	<b>Units</b>
69	Allowable overpressure					99				
70	Inlet pressure					100				
71	Built-up backpressure					101				
72	Superimposed back press					102				
73	Inlet temperature					103				
74	Inlet density					104				
75	Inlet phase type		vapor			105				
76	Mass fraction vapor		1.0			106				
77	Total mass flow rate					107				
78	Liquid mass flow rate		0			108				
79	Liquid actual flow rate		0			109				
80	Liquid density					110				
81	Liquid specific gravity					111				
82	Liquid viscosity					112				
83	Latent heat vaporization					113				
84	Vapor mass flow rate					114				
85	Vapor actual flow rate					115				
86	Vapor standard flow rate					116				
87	Vapor density					117				
88	Vapor specific gravity					118				
89	Vapor molecular weight					119				
90	Compressibility factor					120				
91						121				
92	<b>CALCULATED VARIABLES</b>					122				
93	Vaporized liquid rate					123				
94	Reqd eff discharge area					124				
95	Calculated SPL @ 3 ft					125				
96	Reaction Force					126				
97						127				
98						128				
129	<b>MATERIAL PROPERTIES</b>				135	<b>MATERIAL PROPERTIES(Continued)</b>				
130	Name				136	Abs critical pressure				
131	Composition				137	Critical temperature				
132	Liquid specific heat				138	NFPA health hazard	Flammability:	Reactivity:		
133	Ratio sp heat capacity				139					
134					140					
Rev	Date	Revision Description			By	Appv1	Appv2	Appv3	REMARKS	



Engineering Software Systems

Unit: PROJNO

Unit Name: THIS IS A SAMPLE PROJECT

Enterprise: THIS IS CLIENT NAME

Tag Number:

20P1001-1

PRESSURE SAFETY DEVICE					6	SPECIFICATION IDENTIFICATIONS				
Operating Parameters					7	Document No.				
					8	Latest Revision	Date:			
					9	Issue Status				
					10					
11	<b>ADMINISTRATIVE IDENTIFICATIONS</b>				39	<b>SERVICE IDENTIFICATIONS (Continued)</b>				
12	Project number	Sub project no:			40	Fire-fighting/Drainage				
13	Project				41	Inline hazardous area cl	DivZone:	Group:		
14	Enterprise				42	Inline area min ign temp	Temp ident no.			
15	Site				43	Remote hazardous area cl	DivZone:	Group:		
16	Area	Cell:	Unit:		44	Remote area min ign temp	Temp ident no.			
17					45					
18	<b>SERVICE IDENTIFICATIONS</b>				46					
19	Tag number				47	<b>COMPONENT DESIGN CRITERIA</b>				
20	Related equipment				48	Component Type				
21	Service				49	Component style				
22	Service				50	Output signal type				
23	P&ID/Reference dwg number				51	Seat leakage class				
24	Fluid service				52	Type of protection				
25	Source of overpressure				53	Criticality code				
26	Inlet line/nozzle number				54	Set/Burst pressure				
27	Inlet line pipe spec				55	Allowable SPL @ Capacity				
28	Inlet line nominal size	Rating:			56	Preliminary selected area				
29	Inlet line conn type	Style:			57	Eff coef of discharge				
30	Inlet line material type				58	Disk combination factor				
31	Outlet line/nozzle number				59	Avail nom power supply	Number Wires:			
32	Outlet line pipe spec				60	Required design code				
33	Outlet line nominal size	Rating:			61	Test requirements				
34	Outlet line conn type	Style:			62	Supply loss failure mode				
35	Outlet line material type				63	Signal loss failure mode				
36	Vessel wetted area				64	Calculation basis				
37	Vessel exposed area				65					
38	Environmental factor				66					
67	<b>PROCESS VARIABLES</b>					<b>PROCESS DESIGN CONDITIONS</b>				
68	<b>Condition Identification</b>	<b>Non-fire</b>	<b>Fire</b>	<b>Capacity</b>	<b>Units</b>	98	<b>Minimum</b>	<b>Normal</b>	<b>Maximum</b>	<b>Units</b>
69	Allowable overpressure					99				
70	Inlet pressure					100				
71	Built-up backpressure					101				
72	Superimposed back press					102				
73	Inlet temperature					103				
74	Inlet density					104				
75	Inlet phase type		vapor			105				
76	Mass fraction vapor		1.0			106				
77	Total mass flow rate					107				
78	Liquid mass flow rate		0			108				
79	Liquid actual flow rate		0			109				
80	Liquid density					110				
81	Liquid specific gravity					111				
82	Liquid viscosity					112				
83	Latent heat vaporization					113				
84	Vapor mass flow rate					114				
85	Vapor actual flow rate					115				
86	Vapor standard flow rate					116				
87	Vapor density					117				
88	Vapor specific gravity					118				
89	Vapor molecular weight					119				
90	Compressibility factor					120				
91						121				
92	<b>CALCULATED VARIABLES</b>					122				
93	Vaporized liquid rate					123				
94	Reqd eff discharge area					124				
95	Calculated SPL @ 3 ft					125				
96	Reaction Force					126				
97						127				
98						128				
129	<b>MATERIAL PROPERTIES</b>				135	<b>MATERIAL PROPERTIES(Continued)</b>				
130	Name				136	Abs critical pressure				
131	Composition				137	Critical temperature				
132	Liquid specific heat				138	NFPA health hazard	Flammability:	Reactivity:		
133	Ratio sp heat capacity				139					
134					140					
Rev	Date	Revision Description			By	Appv1	Appv2	Appv3	REMARKS	



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20F2611-1

**SIGHT FLOW INDICATOR  
 w/wo ILLUMINATOR  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	Date:
8	Latest Revision	
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>OPERATING PARAMETERS</b>			62	<b>GAUGE ILLUMINATOR</b>		
12	Project number	Sub-project no.:		63	Illumination type		
13	Project			64	Enclosure type no/class		
14	Enterprise			65	Power source		
15	Site			66	Cert/Approval type		
16	Area	Cell:	Unit:	67	Enclosure material		
17	Related equipment			68			
18	Service			69			
19				70	<b>PERFORMANCE CHARACTERISTICS</b>		
20	P&ID/Reference dwg number			71	Max press at design temp	At:	
21	Upstr line/nozzle number			72	Min working temperature	Max.:	
22	Upstr conn pipe spec			73	Min flow for indication		
23	Upstr conn nominal size	Rating:		74			
24	Upstr line conn type	Style:		75			
25	Upstr conn orientation			76			
26	Upstr line material type			77			
27	Inline hazardous area cl	Div/Zone:	Group:	78			
28	Inline area min ign temp	Temp Ident No.:		79			
29	Minimum pressure			80			
30	Maximum pressure			81			
31	Minimum temperature			82			
32	Maximum temperature			83			
33	Material phase			84			
34	Material name			85			
35	Material color			86			
36	NFPA health hazard	Flammability:	Reactivity:	87			
37				88			
38				89			
39				90			
40	<b>SIGHT FLOW INDICATOR</b>			91			
41	Body type			92			
42	Window style			93	<b>SPECIAL REQUIREMENTS</b>		
43	End conn nominal size	Rating:		94	Custom tag		
44	End conn termn type	Style:		95	Reference specification		
45	End-to-end length std			96	Compliance standard		
46	Indicator type			97	Construction code		
47	Cover/Retainer style			98	Cert/Approval type		
48	Extended overall length			99	Service design		
49	Flow direction style			100			
50	Body/End fitting matl			101			
51	Lens/Cylinder material			102			
52	Lining material			103	<b>PHYSICAL DATA</b>		
53	Bolting material			104	Estimated weight		
54	Cover/Retainer material			105	Overall length		
55	Shield/Protective matl			106	Overall height		
56	Flange/End conn material			107	Overall width		
57	Gasket/Seal/Packing matl			108	Sight opening diameter		
58	Lens cushion material			109	Mfr reference dwg		
59	Indicator material			110			
60				111			
61				112			
113	<b>CALIBRATIONS AND TEST</b>			<b>TEST</b>			
114	<b>TAG NUMBER</b>	<b>TEST</b>		<b>URV</b>	<b>Units</b>		
115	20F2611-1	Test pressure					
116							
117							
118							
119	<b>COMPONENT IDENTIFICATIONS</b>						
120	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>			<b>MODEL NUMBER</b>		
121							
122							
123							
124							
125							
126							
Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20F2361-1

**THERMAL MASS FLOW SWITCH**  
  
**Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	Date:
8	Latest Revision	
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>BODY OR FITTING</b>		60	<b>PERFORMANCE CHARACTERISTICS</b>	
12	Body/Fitting type		61	Max press at design temp	At:
13	Process conn nominal size	Rating	62	Min working temperature	Max.:
14	Process conn termn type	Style	63	Flow rate accuracy	Ref:
15	Packing gland nom rating		64	Temperature accuracy	
16	Mounting orientation		65	Flow repeatability	Ref:
17	Body/Fitting material		66	Max flow response time	
18	Flange material		67	Min ambient working temp	Max.:
19	Compression ferrule matl		68	Contacts ac rating	At Max.:
20			69	Contacts dc rating	At Max.:
21			70	Max sensor to receiver lg	
22	<b>SENSING ELEMENT</b>		71		
23	Sensor type		72		
24	Temperature LRL	URL:	73		
25	Flow Lower Range-Limit	URL:	74		
26	Heater power rating		75		
27	Max/Fixed insertion lg		76		
28	Wetted material		77		
29			78		
30			79		
31	<b>LEAD WIRE AND EXTENSION</b>		80		
32	Extension type		81		
33	Cable length		82		
34	Max cable operating temp		83		
35	Signal termination type		84	<b>ACCESSORIES</b>	
36	Cable jacket material		85	Remote relay	
37			86	Flow straightener	
38	<b>CONNECTION HEAD</b>		87	Enclosure heating kit	
39	Housing type		88		
40	Enclosure type no/class		89		
41	Mounting location/type		90	<b>SPECIAL REQUIREMENTS</b>	
42	Enclosure material		91	Custom tag	
43			92	Reference specification	
44	<b>SWITCH MECHANISM</b>		93	Special preparation	
45	Housing type		94	Compliance standard	
46	Output signal type		95	Calibration report	
47	Enclosure type no/class		96		
48	Signal power source		97		
49	Contacts arrangement	Quantity:	98		
50	Integral indicator style		99	<b>PHYSICAL DATA</b>	
51	Signal termination type		100	Estimated weight	
52	Cert/Approval type		101	Face-to-face dimension	
53	Mounting location/type		102	Overall height	
54	Failure/Diagnostic action		103	Removal clearance	
55	Calibration mode		104	Signal conn nominal size	Style:
56	Measurement compensation		105	Mfr reference dwg	
57	Enclosure material		106		
58			107		
59			108		

110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR TEST</b>			<b>OUTPUT</b>		
111	<b>TAG NO/FUNCTION IDENT</b>	<b>MEAS/SIGNAL/TEST</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>	<b>ACTION</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>
112	20F2361-1	Flow setpoint 1-Output							
113		Flow setpoint 2-Output							
114		Temp setpoint-Output							
115		Temp-Analog output 1							
116		Flow-Analog output 1							
117									

118	<b>COMPONENT IDENTIFICATION</b>		
119	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>	<b>MODEL NUMBER</b>
120			
121			
122			
123			
124			
125			

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20F2351-1

**THERMAL MASS FLOWMETER  
 w/wo SWITCHES  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	Date:
8	Latest Revision	
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>BODY OR FITTING</b>		57	<b>TRANSMITTER w/wo SWITCHES (Continued)</b>	
12	Body/Fitting type		58	Integral indicator style	
13	Process conn nominal size	Rating	59	Readout variables	
14	Process conn termn type	Style	60	Readout units	
15	Packing gland nom rating		61	Signal termination type	
16	Mounting orientation		62	Cert/Approval type	
17	Flow straightener type		63	Mounting location/type	
18	Body/Fitting material		64	Failure/Diagnostic action	
19	Flange material		65	Calibration mode	
20	Compression ferrule matl		66	Measurement compensation	
21			67	Enclosure material	
22			68		
23	<b>SENSING ELEMENT</b>		69	<b>PERFORMANCE CHARACTERISTICS</b>	
24	Sensor type		70	Max press at design temp	At:
25	Temperature LRL	URL:	71	Min working temperature	Max.:
26	Minimum flow span	Max.:	72	Flow rate accuracy	Ref.:
27	Qty sensors per element		73	Temperature accuracy	
28	Extension/Support dia		74	Flow repeatability	
29	Max/Fixed insertion lg		75	Max flow response time	
30	Wetted material		76	Min ambient working temp	Max.:
31	Extension/Support matl		77	Contacts ac rating	At Max.:
32			78	Contacts dc rating	At Max.:
33			79	Max sensor to receiver lg	
34	<b>LEAD WIRE AND EXTENSION</b>		80		
35	Extension type		81	<b>ACCESSORIES</b>	
36	Cable length		82	Sensor cleaning system	
37	Max cable operating temp		83	Flow straightener	
38	Signal termination type		84	Enclosure heating kit	
39	Cable jacket material		85	Calibrator/configurator	
40			86		
41	<b>CONNECTION HEAD</b>		87	<b>SPECIAL REQUIREMENTS</b>	
42	Housing type		88	Custom tag	
43	Enclosure type no/class		89	Reference specification	
44	Mounting location/type		90	Special preparation	
45	Enclosure material		91	Compliance standard	
46			92	Calibration report	
47	<b>TRANSMITTER w/wo SWITCHES</b>		93	Software configuration	
48	Housing type		94		
49	Aux input signal type		95	<b>PHYSICAL DATA</b>	
50	Output signal type		96	Estimated weight	
51	Enclosure type no/class		97	Face-to-face dimension	
52	Local operator interface		98	Overall height	
53	Digital communication std		99	Removal clearance	
54	Signal power source		100	Signal conn nominal size	Style:
55	Qty of input sensors		101	Mfr reference dwg	
56	Contacts arrangement	Qty:	102		

CALIBRATIONS AND TEST			INPUT OR TEST			OUTPUT		
TAG NO/FUNCTION IDENT	MEAS/SIGNAL/SCALE	LRV	URV	Units	ACTION	LRV	URV	Units
111	20F2351-1							
112	Flow-Analog output 1							
113	Flow-Analog output 2							
114	Flow-Analog output 3							
115	Flow-Analog output 4							
116	Flow-Scale							
117	Temperature-Scale							
118	Temp- Analog output							
119	Flow-Digital output							
120	Flow setpoint 1-Output							
121	Flow setpoint 2-Output							

COMPONENT IDENTIFICATION		
COMPONENT TYPE	MANUFACTURER	MODEL NUMBER
124		
125		
126		
127		
128		

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20F2341-1

**ULTRASONIC FLOWMETER  
 w/wo SWITCHES  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	Date:
8	Latest Revision	
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>PRIMARY HEAD OR TUBE</b>	56	<b>TRANSMITTER OR TOTALIZER w/wo SWITCHES (Continued)</b>
12	Primary head/Tube type	57	Cert/Approval type
13	End conn nominal size	58	Mounting location/type
14	End conn termn type	59	Failure/Diagnostic action
15	Transducer conn type	60	Calibration mode
16	Head/Tube material	61	Data logger points
17	Flange material	62	Measurement compensation
18	Gasket/O ring material	63	Enclosure material
19		64	
20		65	
21	<b>TRANSDUCER</b>	66	<b>PERFORMANCE CHARACTERISTICS</b>
22	Measurement type	67	Max press at design temp
23	Beam/Sound track style	68	Min working temperature
24	Nominal range size	69	Flow accuracy rating
25	Temperature LRL	70	Min flow/velocity URL
26	Mounting hardware	71	Minimum gas content
27	Housing material	72	Minimum solids content
28		73	Min ambient working temp
29		74	Contacts ac rating
30	<b>CONNECTION HEAD</b>	75	Contacts dc rating
31	Housing type	76	Max sensor to receiver lg
32	Enclosure type no/class	77	
33	Signal conn termn style	78	
34	Cert/Approval type	79	<b>ACCESSORIES</b>
35	Enclosure material	80	Acoustic coupling matl
36		81	Sound velocity sensor
37	<b>LEAD WIRE AND EXTENSION</b>	82	Wall thickness sensor
38	Extension type	83	Mounting kit
39	Cable length	84	Tools
40	Min cable operating temp	85	
41	Signal termination type	86	<b>SPECIAL REQUIREMENTS</b>
42	Cable jacket material	87	Custom tag
43		88	Reference specification
44	<b>XMTR OR TOTAL'R w/wo SWITCHES</b>	89	Compliance standard
45	Configuration type	90	Certificates
46	Aux input signal type	91	Software configuration
47	Output signal type	92	
48	Enclosure type no/class	93	<b>PHYSICAL DATA</b>
49	Local operator interface	94	Estimated weight
50	Digital communication std	95	Face-to-face dimension
51	Signal power source	96	Overall height
52	Measurement type	97	Removal clearance
53	Contacts arrangement	98	Signal conn nominal size
54	Integral indicator style	99	Mfr reference dwg
55	Signal termination type	100	

CALIBRATIONS AND TEST			INPUT OR TEST			OUTPUT		
TAG NO/FUNCTION IDENT	MEAS/SIGNAL/SCALE	LRV	URV	Units	ACTION	LRV	URV	Units
112	20F2341-1							
113	Meas-Analog output 1							
114	Meas-Analog output 2							
115	Meas-Analog output 3							
116	Meas-Analog output 4							
117	Meas-Scale 1							
118	Meas-Scale 2							
119	Meas setpoint 1-Output							
120	Meas setpoint 2-Output							
121	Meas setpoint 3-Output							
122	Meas setpoint 4-Output							
123	Failure signal-Output							

COMPONENT IDENTIFICATIONS		
COMPONENT TYPE	MANUFACTURER	MODEL NUMBER
125		
126		
127		
128		
129		

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20F2071-1

**PITOT TUBE  
 w/wo INSERTION ASSEMBLY  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	
8	Latest Revision	Date:
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>BODY OR MOUNTING ASSEMBLY</b>		60	<b>PERFORMANCE CHARACTERISTICS</b>	
12	Body/Assembly type		61	Max press at design temp	At:
13	Sensor end support style		62	Min working temperature	Rating:
14	Process conn nominal size	Rating	63	Uncalibrated flow accuracy	Ref:
15	Process conn termn type	Style	64	Temp accuracy rating	
16	End support conn nom size	Style	65	Flow repeatability	Ref:
17	Pipe spool schedule		66	Min Reynold's number	
18	Mounting fitting type		67	Rated flow coefficient	
19	Body/Assembly material		68		
20	Packing material		69		
21	Mounting fitting matl		70		
22			71		
23			72		
24	<b>SENSING ELEMENT</b>		73		
25	Sensor type		74		
26	Nominal line size		75		
27	Sensor nominal size		76		
28	Temperature element type		77		
29	Sensor material		78		
30			79		
31			80		
32	<b>CONNECTION HEAD AND VALVES</b>		81		
33	Connection head type		82		
34	Connection head style		83	<b>ACCESSORIES</b>	
35	Process conn nominal size	Rating	84	Manifold valve style	
36	Process conn termn type	Style	85	Manifold material	
37	Press conn nominal size	Style	86		
38	Pressure tap orientation		87		
39	Head orientation		88		
40	Connection valve style		89		
41	Head material		90	<b>SPECIAL REQUIREMENTS</b>	
42	Flange material		91	Custom tag	
43	Connection valve matl		92	Reference specification	
44			93	Special preparation	
45			94	Compliance standard	
46			95	Construction code	
47	<b>INSERTION ASSEMBLY</b>		96	Calibration report	
48	Insertion assembly type		97	Special inspections	
49	Isolation valve style		98		
50	Process conn nominal size	Rating	99		
51	Process conn termn type	Style	100	<b>PHYSICAL DATA</b>	
52	Valve nom press rating		101	Estimated weight	
53	Valve body material		102	Face-to-face dimension	
54	Valve seat material		103	Overall height	
55	Wetted material		104	Removal clearance	
56	Packing material		105	Mfr reference dwg	
57			106		
58			107		
59			108		

110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR TEST</b>			<b>OUTPUT</b>		
111	<b>TAG NO/FUNCTION IDENT</b>	<b>MEAS/SIGNAL/TEST</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>	
112	20F2071-1								
113									
114									
115									
116									
117									

118	<b>COMPONENT IDENTIFICATIONS</b>							
119	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>			<b>MODEL NUMBER</b>			
120								
121								
122								
123								
124								
125								

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20A2381-1

**CONDUCTIVITY SENSOR  
 w/wo INSERTION ASSEMBLY  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	
8	Latest Revision	Date:
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>BODY HOLDER OR FITTING</b>		60	<b>INSERTION ASSEMBLY</b>	
12	Body/Fitting type		61	Chamber wetted material	
13	Process conn nominal size	Rating:	62	Compression ferrule matl	
14	Process conn termn type	Style:	63		
15	Body/Fitting material		64		
16	Flange material		65	<b>PERFORMANCE CHARACTERISTICS</b>	
17	Seal/O ring material		66	Max press at design temp	At:
18			67	Min working temperature	Max.:
19			68	Cell constant accuracy	Ref:
20			69	Measurement LRL	URL:
21	<b>SENSING ELEMENT</b>		70	Temp compensation LRL	URL:
22	Sensor type		71	Max temp response time	
23	Construction style		72	Max sensor to receiver lg	
24	Nominal cell constant		73		
25	Temperature sensor type		74		
26	Bore diameter		75		
27	Insertion/Immersion lg		76		
28	Temp sensor location		77		
29	Insulator material		78		
30	Electrode material		79		
31	Ext shaft/support matl		80		
32	Sheath material		81		
33			82		
34			83		
35			84		
36	<b>LEAD WIRE and EXTENSION</b>		85	<b>ACCESSORIES</b>	
37	Extension type		86	Conductivity standard	
38	Cable length		87		
39	Max cable operating temp		88		
40	Signal termination type		89		
41	Cable jacket material		90		
42			91		
43	<b>CONNECTION HEAD</b>		92	<b>SPECIAL REQUIREMENTS</b>	
44	Housing type		93	Custom tag	
45	Enclosure type no/class		94	Reference specification	
46	Signal termination type		95	Compliance standard	
47	Cert/Approval type		96	Calibration report	
48	Mounting location/type		97		
49	Enclosure material		98		
50			99		
51	<b>INSERTION ASSEMBLY</b>		100	<b>PHYSICAL DATA</b>	
52	Assembly type		101	Estimated weight	
53	Isolation valve style		102	Overall height	
54	Process conn nominal size	Rating:	103	Removal clearance	
55	Process conn termn type	Style:	104	Signal conn nominal size	Style:
56	Purge conn nominal size	Style:	105	Mfr reference dwg	
57	Insertion/Immersion lg		106		
58	Valve body material		107		
59	Valve seat material		108		

110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR TEST</b>			<b>OUTPUT</b>		
111	<b>TAG NO/FUNCTIONAL IDENT</b>	<b>MEAS/SIGNAL/SCALE</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>	
112	20A2381-1	Measurement-Output signal							
113		Temp-Output signal							
114									



118	<b>COMPONENT IDENTIFICATIONS</b>		
119	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>	<b>MODEL NUMBER</b>
120			
121			
122			
123			
124			
125			

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20A2373-1

**HUMIDITY/DEWPOINT TRANSMITTER  
 w/wo SWITCHES  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	Date:
8	Latest Revision	
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>MOUNTING FITTING</b>		60	<b>PERFORMANCE CHARACTERISTICS</b>	
12	Mounting/Fitting type		61	Max press at design temp	At:
13	Process conn nominal size	Rating:	62	Min working temperature	Max.:
14	Process conn termn type	Style:	63	RH/Dewpoint accuracy	Ref:
15	Mounting/Fitting material		64	Temperature accuracy	
16			65	RH/Dewpoint repeatability	Ref:
17			66	Max response time	
18			67	Min ambient working temp	Max.:
19	<b>SENSING ELEMENT</b>		68	Contacts ac rating	At Max.:
20	Sensor type		69	Contacts dc rating	At Max.:
21	Probe style		70	Max sensor to receiver lg	
22	Temperature LRL	URL:	71		
23	Humidity/Dewpoint LRL	URL:	72		
24	Temperature sensor type		73		
25	Sensor protection style		74		
26	Probe length		75		
27	Sensor head material		76		
28			77		
29			78		
30			79		
31	<b>LEAD WIRE AND EXTENSION</b>		80		
32	Extension type		81		
33	RH/Dewpoint cable length		82		
34	Temperature cable length		83		
35	Max cable operating temp		84	<b>ACCESSORIES</b>	
36	Signal termination type		85	Calibrator	
37			86	Humidity standards	
38			87	Replacement probe	
39			88		
40	<b>TRANSMITTER w/wo SWITCHES</b>		89		
41	Housing type		90	<b>SPECIAL REQUIREMENTS</b>	
42	Output signal type		91	Custom tag	
43	Enclosure type no/class		92	Reference specification	
44	Local operator interface		93	Compliance standard	
45	Digital communication std		94	Calibration report	
46	Signal power source		95	Software configuration	
47	Qty of input sensors		96		
48	Contacts arrangement	Quantity:	97		
49	Integral indicator style		98		
50	Signal termination type		99		
51	Cert/Approval type		100	<b>PHYSICAL DATA</b>	
52	Mounting location/type		101	Estimated weight	
53	Calibration mode		102	Overall width	
54	Measurement compensation		103	Overall height	
55	Enclosure material		104	Removal clearance	
56			105	Signal conn nominal size	Style:
57			106	Mfr reference dwg	
58			107		
59			108		

CALIBRATIONS AND TEST			INPUT OR TEST			OUTPUT OR SCALE		
TAG NO/FUNCTION IDENT	MEAS/SIGNAL/SCALE	LRV	URV	Units	ACTION	LRV	URV	Units
112	20A2373-1							
113								
114								
115								
116								
117								
118								
119								

COMPONENT IDENTIFICATIONS		
COMPONENT TYPE	MANUFACTURER	MODEL NUMBER
121		
122		
123		
124		
125		

Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

pH/ORP CONDUCTIVITY/RESISTIVITY  
 TRANSMITTER/ANALYZER/MONITOR  
 Device Specification

Tag Number: 20A2342-1

		6	SPECIFICATION IDENTIFICATIONS						
		7	Document No.						
		8	Latest Revision	Date:					
		9	Issue Status						
		9.1	Purchase Order No.						
		10							
11		56	PERFORMANCE CHARACTERISTICS						
12	Housing type	57	Measurement accuracy	Ref:					
13	Input sensor type	58	Temperature accuracy						
14	Input sensor style	59	Meas Lower Range-Limit	URL:					
15	Output signal type	60	Temp compensation LRL	URL:					
16	Enclosure type no/class	61	Minimum span	Max.:					
17	Control mode	62	Min ambient working temp	Max.:					
18	Local operator interface	63	Contacts ac rating	At Max.:					
19	Characteristic curve	64	Contacts dc rating	At Max.:					
20	Digital communication std	65	Max sensor to receiver lg						
21	Signal power source	66							
22	Temperature sensor type	67							
23	Quantity of input sensors	68							
24	Preamplifier location	69							
25	Contacts arrangement	70							
26	Integral indicator style	71							
27	Signal termination type	72							
28	Cert/Approval type	73							
29	Mounting location/type	74							
30	Failure/Diagnostic action	75							
31	Sensor diagnostics	76							
32	Data history log	77	Remote indicator style						
33	Temperature compensation	78	Indicator enclosure						
34	Calibration function	79	Communicator style						
35	Enclosure material	80							
36		81							
37		82							
38		83							
39		84	Custom tag						
40		85	Reference specification						
41		86	Compliance standard						
42		87	Software configuration						
43		88	Software program						
44		89							
45		90							
46		91							
47		92							
48		93	Estimated weight						
49		94	Overall height						
50		95	Removal clearance						
51		96	Signal conn nominal size	Style:					
52		97	Mfr reference dwg						
53		98							
54		99							
55		100							
110		CALIBRATIONS AND TEST		INPUT OR TEST		OUTPUT OR SCALE			
111	TAG NO/FUNCTION IDENT	MEAS/SIGNAL/SCALE	LRV	URV	Units	ACTION	LRV	URV	Units
112	20A2342-1	Meas-Analog output 1							
113		Meas-Analog output 2							
114		Meas-Digital output							
115		Meas-Scale							
116		Temp-Scale							
117		Temp-Digital output							
118		Meas setpoint 1-Output							
119		Meas setpoint 2-Output							
120		Meas setpoint 3-Output							
121		Meas setpoint 4-Output							
122		Failure signal-Output							
123									
124		COMPONENT IDENTIFICATIONS		MODEL NUMBER					
125	COMPONENT TYPE	MANUFACTURER	MODEL NUMBER						
126									
127									
128									
129									
Rev	Date	Revision Description	By	Appv1	Appv2	Appv3	REMARKS		



Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20A2341-1

**pH/ORP SENSOR  
 w/wo INSERTION ASSEMBLY  
 Device Specification**

6	<b>SPECIFICATION IDENTIFICATIONS</b>	
7	Document No.	
8	Latest Revision	Date:
9	Issue Status	
9.1	Purchase Order No.	
10		

11	<b>BODY HOLDER OR FITTING</b>			60	<b>INSERTION ASSEMBLY (continued)</b>					
12	Body/Fitting type			61	Insertion/Immersion lg					
13	Process conn nominal size	Rating:		62	Valve body material					
14	Process conn termn type	Style:		63	Valve seat material					
15	Maximum probe diameter			64	Chamber wetted material					
16	Body/Fitting material			65	Compression ferrule matl					
17	Flange material			66						
18	Seal/O ring material			67						
19				68	<b>PERFORMANCE CHARACTERISTICS</b>					
20				69	Max press at design temp		At:			
21				70	Min working temperature		Max.:			
22	<b>SENSING ELEMENT</b>			71	Min conductivity					
23	Sensor type			72	Max fluid velocity limit					
24	Construction style			73	Accuracy rating					
25	Measuring electrode shape			74	Measurement LRL		URL:			
26	Reference junction style			75	Temp comp meas LRL		URL:			
27	Insertion/Immersion lg			76	Linearity					
28	Signal conn termn style			77	Max response time					
29	Temperature sensor type			78	Min ambient working temp		Max.:			
30	Sensing surface matl			79	Max sensor to receiver lg					
31	Ref electrolyte material			80						
32	Ground pin material			81						
33	Reference element matl			82						
34	Primary junction matl			83	<b>ACCESSORIES</b>					
35				84	Electrolyte solution					
36				85	Buffer solution					
37				86	Cleaner type					
38	<b>LEAD WIRE AND EXTENSION</b>			87	Cleaner supply voltage					
39	Extension type			88	ORP std solution					
40	Cable length			89	Rotameter & valve					
41	Max cable operating temp			90						
42	Signal termination type			91						
43	Cable jacket material			92	<b>SPECIAL REQUIREMENTS</b>					
44				93	Custom tag					
45	<b>CONNECTION HEAD OR PREAMPLIFIE</b>			94	Reference specification					
46	Configuration type			95	Compliance standard					
47	Temperature compensation			96	Calibration report					
48	Enclosure type no/class			97						
49	Signal termination type			98						
50	Cert/Approval type			99						
51	Mounting location/type			100	<b>PHYSICAL DATA</b>					
52	Enclosure material			101	Estimated weight					
53				102	Overall height					
54				103	Removal clearance					
55	<b>INSERTION ASSEMBLY</b>			104	Signal conn nominal size		Style:			
56	Assembly type			105	Mfr reference dwg					
57	Isolation valve style			106						
58	Process conn nominal size	Rating:		107						
59	Process conn termn type	Style:		108						
110	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR TEST</b>			<b>OUTPUT</b>			
111	<b>TAG NO/FUNCTIONAL IDENT</b>	<b>MEAS/SIGNAL/SCALE</b>		<b>LRV</b>	<b>URV</b>	<b>Units</b>		<b>LRV</b>	<b>URV</b>	<b>Units</b>
112	20A2341-1	Measurement-Output signal								
113		Temp-Output signal								
114										
115										
116										
117										
118	<b>COMPONENT IDENTIFICATIONS</b>									
119	<b>COMPONENT TYPE</b>	<b>MANUFACTURER</b>				<b>MODEL NUMBER</b>				
120										
121										
122										
123										
124										
125										
Rev	<b>Date</b>	<b>Revision Description</b>	<b>By</b>	<b>Appv1</b>	<b>Appv2</b>	<b>Appv3</b>	<b>REMARKS</b>			





Engineering Software Systems

Unit: PROJNO  
 Unit Name: THIS IS CLIENT NAME  
 Enterprise: THIS IS A SAMPLE PROJECT

Tag Number: 20Z2012-1

PROXIMITY SWITCH		6		SPECIFICATION IDENTIFICATIONS						
Device Specification		7		Document No.		Date:				
		8		Latest Revision						
		9		Issue Status						
		9.1		Purchase Order No.						
		10								
<b>OPERATING PARAMETERS</b>				<b>SWITCH MECHANISM (Continued)</b>						
11	Project number	Sub project no.:		64	False pulse protection					
12	Project			65	Transient protection					
13	Enterprise			66						
14	Site			67						
15	Area	Cell:	Unit:	68						
16	Related equipment			69	<b>LEAD WIRE AND EXTENSION</b>					
17	Service			70	Extension type					
18	P&ID/Reference dwg number			71	Conductor nominal size					
19	Inline hazardous area cl	Div/Zone:	Group:	72	Cable length					
20	Inline area min ign temp	Temp ident no.:		73	Connector configuration					
21	Minimum temperature			74	Signal termination type					
22	Maximum temperature			75	Cable jacket material					
23	Minimum target position			76						
24	Maximum target position			77						
25	Target material			78	<b>PERFORMANCE CHARACTERISTICS</b>					
26				79	Min operating voltage	Max.:				
27				80	Repeatability	Ref:				
28				81	Overload trigger					
29				82	Short circuit trigger					
30				83	Weld field immunity	At:				
31	<b>SWITCH HOUSING</b>			84	Min ambient working temp	Max:				
32	Housing type			85	Minimum load current					
33	Construction style			86	Contacts ac rating	At Max:				
34	Nominal size			87	Contacts dc rating	At Max:				
35	Enclosure type no/class			88	Max leakage current	At:				
36	Mounting location/type			89						
37	Housing material			90						
38				91						
39				92	<b>ACCESSORIES</b>					
40	<b>SENSING ELEMENT</b>			93	Mating connector					
41	Sensing type			94	Mounting adaptor					
42	Sensor style			95	Mounting bracket					
43	Switching frequency			96	Magnetic actuator					
44	Nom/max sensing distance			97						
45	Shielding style			98						
46	Barrel diameter			99						
47	Probe insertion length			100	<b>SPECIAL REQUIREMENTS</b>					
48	Mounting orientation			101	Custom tag					
49	Casing material			102	Reference specification					
50	Active face material			103	Compliance standard					
51				104						
52				105						
53	<b>SWITCH MECHANISM</b>			106						
54	Switch type			107	<b>PHYSICAL DATA</b>					
55	Output signal type			108	Estimated weight					
56	Digital communication std			109	Overall width					
57	Contacts arrangement	Quantity:		110	Overall length/height					
58	Load switching style			111	Overall depth					
59	Integral indicator style			112	Threaded length					
60	Signal termination type			113	Signal conn nominal size	Style:				
61	Cert/Approval type			114	Mfr reference dwg					
62	Field immunity style			115						
63	Polarity protection			116						
117	<b>CALIBRATIONS AND TEST</b>			<b>INPUT OR SETPOINT</b>			<b>OUTPUT</b>			
118	<b>TAG NO/FUNCTION IDENT</b>	<b>MEAS/SIGNAL/TEST</b>		<b>LRV</b>	<b>URV</b>	<b>Units</b>	<b>ACTION</b>	<b>LRV</b>	<b>URV</b>	<b>Units</b>
119	20Z2012-1	Setpoint 1-Output								
120		Setpoint 2-Output								
121		Presence-Analog output								
122										
123	<b>COMPONENT IDENTIFICATIONS</b>									
124	<b>COMPONENT TYPE</b>			<b>MANUFACTURER</b>			<b>MODEL NUMBER</b>			
125										
126										
127										
128										
Rev	Date	Revision Description		By	Appv1	Appv2	Appv3	REMARKS		