GENERAL	1	Tag Number			
	2	Service			
	3	Type			
	4	Line No.	P&ID No.		
	5	Equipment No.			
	6	Location			
	7	Function			
	8	Area Classification			
	9				
CONSTRUCTION	10	Mounting			
	11	Housing Material			
	12	Enclosure			
	13	Power Supply			
	14	Local Indicator			
	15	Electronic Housing			
	16	Paint			
	17				
	18				
INPUT	19	T/C	Type		
	20		Range		
	21				
	22	RTD	Type		
	23		Range		
	24				
	25				
	26				
	27				
OUTPUT	28	Range	Units	-	
	29	Isolation Signal			
	30	Linearization			
	31	Up / Down on Electrical Failure			
	32	Up / Down on Burnout Failure			
	33	No. of Relays			
	34	Relay Rating			
	35	Contact Arrangment Relay 1			
	36	Contact Arrangment Relay 2			
	37	Set Point 1	Set Point 2		
	38	On Increase Relay 1			
	39	On Increase Relay 2			
	40				
	41				
PURCHASE	42	Vendor			
	43	Manufacturer			
	44	Model			
	45	Purchase Order No.			
	46				

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temperature Electronic Trans.	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0101	Dwg. No.:

GENERAL	1	Tag Number			
	2	Service			
	3	Line No.	P&ID No.		
	4	Equipment No.			
	5	Location			
	6	Area Classification			
	7	Mounting			
	8	Certification			
	9	Barrier Manufacturer / Model			
	10				
PROCESS CONDITIONS	11	Fluid			
	12	Pressure Max	Oper.		
	13	Temperature Max.	Oper.		
	14	Oper. Spec.Gravity	Oper. Viscosity		
	15				
TRANSMITTER	16	Type			
	17	RTD Types Supported			
	18	Thermocouple Supported Types			
	19	MV Supported Type			
	20	Cold Junction Compensat			
	21	Enclosure			
	22	Housing	Paint		
	23	Power Supply	Load Resist		
	24	Process Connection	Electrical Connection		
	25	Accuracy	Response Time		
	26	Linearisation of Output			
	27	Instrument Range Min.	Max.		
	28	Calibrated Range Min.	Max.		
	29	DCS Range Min.	Max.		
	30				
	31				
COMMUNICATION	32	FBM Number			
	33	Point Number			
	34				
OPTIONS	35	Integral Meter	Scale		
	36	Lightning Protection			
	37	Custom Configuration			
	38	Mounting Brackets			
	39				
PURCHASE	40	Vendor			
	41	Manufacturer			
	42	Model			
	43	Purchase Order Number			
	44				

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temperature Transmitter Smart	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0102	Dwg. No.:

GENERAL	1	Tag Number									
	2	Service									
	3	Type									
	4	Location									
	5	Function									
	6	Area Classification		Equipment No.							
	7	Line No.		P&ID							
DCS	8	Cad File #									
	9	Termination Points		1	2	3					
CONSTRUCTION	10	Case			Size	Color					
	11	Mounting									
	12	Enclosure			Class	Other					
	13	Housing Material									
	14	Power Supply									
	15	Local Indicator									
	16	Chart Drive			Speed	Power					
	17	Chart									
	18	Scales	1		Type	Range					
	19		2		Type	Range					
	20		3		Type	Range					
	21		4		Type	Range					
	22										
CONTROL	23	Control Modes									
	24	Action									
	25	Auto-Man Switch									
	26	Set Point Adjust									
	27	Manual Reg									
	28	Output									
	29										
ELEMENT	30	Fill			SAMA Class	Compensation					
	31	Process	Temp	Norm	Max						
	32		Press	Norm	Max						
	33	Range	Range								
	34		Set								
	35		Overrange Protection								
	36	Bulb	Type/Material								
	37		Ext Len/Type								
	38		Size Dia/Len/Insertion								
	39		Conn/Location								
	40	Capillary	MLen/Mtl/Armor								
	41										
PURCHASE	42	Vendor									
	43	Manufacturer									
	44	Model									
	45	Purchase Order Number									
	46	Price		Item Number							

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temp. Instrument Filled System	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0103	Dwg. No.:

GENERAL	1	Tag Number			
	2	Service			
	3	Line No.			
	4	Equipment No.			
	5	P&ID No.			
	6				
PROCESS DATA	7	Fluid			
	8		Minimum	Normal	Maximum
	9	Flow			
	10	Temperature			
	11	Pressure			
	12	Density			
	13	Viscosity			
	14	Design Pressure / Temp			
	15				
	16				
CONTROLLER	17	Mounting			
	18	Supply			
	19	Signal Out			
	20	Control Action			
	21	Capillary Armour			
	22	Well Tag No.			
	23	Element – Type			
	24	Element – Material			
	25	Element – SAMA Type			
	26	Capillary Length			
	27	Line Size			
	28	Well – Material			
	29	Well – Connection Size / Type			
	30	Well – Insulation Ext.			
	31	Well – Rating Press. / Temp.			
	32	Control Modes			
	33	Measuring Range			
	34	Set Point			
	35	Set Point Adjustment			
	36	Auto / Manual Station			
	37	Enclosure			
	38	Area Classification			
	39				
	40				
	41				
	42				
ACCESSORIES	43	Filter Reg.			
	44	Supply Gauge			
	45	Output Gauge			
	46	Indicator			
	47				
PURCHASE	48	Vendor			
	49	Manufacturer			
	50	Model			
	51	Purchase Order Number			
	52				
	53				

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temp. Controller Pneumatic	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0104	Dwg. No.:

GENERAL	1	Tag Number			
	2	Line No.	P&ID No.		
	3	Equipment No.			
	4	Service			
	5	Location			
	6	Area Classification			
	7				
PROCESS CONDITIONS	8	Fluid			
	9	Oper. Temperature	Max. Temperature		
	10	Thermal Shock			
	11	Oper. Pressure	Max. Pressure		
	12	Vibrations			
	13	Erosion			
	14	Oxidizing Atmosphere			
	15				
	16				
WELL	17	Process Connection			
	18	Construction Type			
	19	Well Material			
	20	Flange Material			
	21	Sheating			
	22	Coating			
	23	Sensor Connection			
	24	Bore Diameter			
	25	Length Below Thread / Flanged			
	26	Lagging Extension			
	27	Overall Length			
	28	Tip Thickness			
	29	Max. Insertion Diameter			
	30	Min. Insertion Diameter			
	31	Tapered Length			
	32				
	33				
	34				
OPTIONS	35	Plug & Chain			
	36	Treatment			
	37	Finish			
	38	Stamping			
	39	Back-Up Flange			
	40	Weldolet Fitting			
	41				
	42				
	43				
	44				
PURCHASE	45	Vendor			
	46	Manufacturer			
	47	Model			
	48	Purchase Order Number			
	49				

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Thermowell	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0201	Dwg. No.:

GENERAL	1	Tag Number							
	2	Service							
	3	Line No.		P&ID No.					
	4	Equipment No.							
	5	Location or Pipe Class							
	6	Area Classification							
	7								
PROCESS CONDITIONS	8	Fluid							
	9	Oper. Temperature		Max. Temperature					
	10	Oper. Pressure		Max. Pressure					
	11	Vibrations							
	12								
ELEMENT	13	Type							
	14	T/C	ISA Type						
	15		Epoxy.	Ground	Unground				
	16								
	17	RTD	Material	Resistance					
	18		Wire Material/Gage						
	19								
	20	Single/Double or Other							
	21	Diameter							
	22								
	23								
	24								
	25								
HEAD	26	Type							
	27	Material							
	28	Terminal Block							
	29	Conduit							
	30	Extension Type							
	31	Nipple Size							
	32	Union							
	33	Nipple Union Length							
	34	Spring Loaded							
	35								
	36								
WELL	37	Process Connection							
	38	Material							
	39	Sheating		Coating					
	40	Construction Type							
	41	Internal Connection							
	42	Length Below Thread / Flanged							
	43	Lagging Extension							
	44	Plug & Chain							
	45	Overall Length							
	46	Treatments		Finish					
	47	Stamping							
	48								
	49								
PURCHASE	50	Vendor							
	51	Manufacturer							
	52	Model							
	53	Purchase Order Number							
	54								

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temperature Element	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0202	Dwg. No.:

GENERAL	1	Tag Number							
	2	Service							
	3	Type							
	4	Location							
	5	Function							
	6	Area Classification							
	7	Line No.	P&ID						
DCS	8	CAD File #							
	9	Termination Points							
CONSTRUCTION	10	Case			Size	Color			
	11	Mounting							
	12	Enclosure			Class	Other			
	13	Housing Material							
	14	Power Supply							
	15	Local Indicator							
	16	Chart Drive			Speed	Gears			
	17	Chart			Range	No.			
	18	Scales	1		Type	Range			
	19		2		Type	Range			
	20	Printout	No. of Points		Sec Per Point				
	21		Travel Speed		Character & Color				
	22								
CONTROL	23	Control Modes							
	24	Action							
	25	Auto-Man Switch							
	26	Set Point Adjust							
	27	Manual Reg							
	28	Output							
	29								
INPUT	30	TC Type							
	31	Other							
	32								
	33								
OPTIONS	34	Switches	Quanity						
	35		Form						
	36		Rating						
	37	Function							
	38	T/C Burnout Drive							
	39	Accessories							
	40								
	41								
PURCHASE	42	Vendor							
	43	Manufacturer							
	44	Model							
	45	Purchase Order Number							
	46	Price	Item Number						

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Potentiometer Instrument	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0203	Dwg. No.:

GENERAL	1	Tag Number			
	2	Service			
	3	Line No.	P&ID No.		
	4	Equipment No.			
	5	Location			
	6	Area Classification			
	7				
PROCESS CONDITIONS	8	Fluid			
	9	Oper. Temperature	Max. Temperature		
	10	Oper. Pressure	Max. Pressure		
	11	Vibrations			
	12				
THERMOMETER	13	Type			
	14	Range	Units	-	
	15	Dial Size	Dial Color		
	16	Case Material			
	17	Hermetically Sealed Case			
	18	Stem Type			
	19	Stem Material			
	20	Stem or Union Thread			
	21	Stem Position			
	22	Stem Length	Stem Diameter		
	23	External Calibrator			
	24				
	25				
	26				
	27	FILLED SYSTEM	Type		
	28		Compensation		
	29		Capillary Length		
	30		Capillary Material		
	31		Armor Material		
	32		Bulb Diameter		
	33		Bulb Length		
	34		Bulb Type		
	35		Bulb Connection		
	36				
WELL	37	Process Connection			
	38	Material			
	39	Sheating	Coating		
	40	ConstructionType			
	41	Internal Connection			
	42	Length Below Thread / Flanged			
	43	Lagging Extension			
	44	Plug & Chain			
	45	Overal Length			
	46	Treatements	Finish		
	47	Stamping			
	48				
	49				
PURCHASE	50	Vendor			
	51	Manufacturer			
	52	Model			
	53	Purchase Order Number			
	54				

Notes:

						INSTRUMENT SPECIFICATION	LOTOS
						Temperature Gauge	
							Sheet of
Rev	By	Chk	App	Date	Revision Description	Data Sheet No. 0204	Dwg. No.:

GENERAL	1	Tag Number			
	2	Service			
	3	Line No.	P&ID		
	4	Equipment No.			
	5	Location			
	6	Function			
	7	Area Classification			
	8	Mounting			
	9	Certification	Enclosure		
	10				
PROCESS CONDITIONS	11	Fluid			
	12	Pressure Max	Oper.		
	13	Temperature Max.	Oper.		
	14	Oper. Spec. Gravity	Oper. Viscosity		
	15				
TRANSMITTER	16	Instrument Range Min.	Max.		
	17	Calibration Range Min.	Max.		
	18	DCS Range Min.	Max.		
	19	Elevation	Suppression		
	20	Element Type	Element Material		
	21	Body Material	Body Rating		
	22	Process Flanges Mat'l	Wetted O-Rings Mat'l		
	23	Fill Fluid			
	24	Bolts	Housing		
	25	Paint			
	26	Process Connection	Electrical Connection		
	27	Flow Rate			
	28	Allowable Temperature			
	29				
DIAPHRAGM SEAL	30	Process Connection & Rating			
	31	Diaphragm Material	Housing Material		
	32	Fill Fluid			
	33	Capillary Material			
	34	Capillary Type	Capillary Length		
	35	Flushing Connection			
	36				
COMMUNICATION	37	FDM Number			
	38	Point Number			
	39				
MANIFOLD	40	Manifold Type			
	41	Trim			
	42	Max. Rating Pressure			
	43	Process Conn. Size	Type / Rating		
	44	Manufacturer			
	45	Model			
	46				
OPTIONS	47	Integral Meter	Scale		
	48	Hydrostatic Testing			
	49	Cleaning			
	50	Mounting Brackets			
	51				
PURCHASE	52	Vendor			
	53	Manufacturer			
	54	Model			
	55	Purchase Order Number			
	56				

Notes:

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INSTRUMENT SPECIFICATION

Pressure Transmitter Smart

Data Sheet No. 0301

LOTOS

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