



Client Name:	_____	By:	_____
City:	_____	Checked:	_____
Province:	_____	Date:	_____
Project #:	200318		
Revision:	_____		

PRESSURE TRANSMITTER

GENERAL	
Tag Number:	Z7031-PT003A
Service Description:	COOLING WATER CIRCULATING PUMP DISCHARGE PRESSURE
PID Number:	E-4022
Type:	ELECTRONIC-DIGITAL
Manufacturer Model Number:	ABB: 262HSPSBA1-E4L1 c/w MP1-VIS-4

PROCESS CONDITIONS	
Material Name:	WATER
Maximum Pressure:	100 PSIG
Normal Pressure:	30 PSIG
Differential Pressure:	
Minimum Pressure:	0 PSIG
Maximum Temperature:	120 F
Normal Temperature:	90 F
Material Phase:	WATER

SERVICE IDENTIFICATION	
Line/Equipment Name:	_____
Line Matl Type:	_____
Line Nom Size/Schedule:	_____
Insulation:	_____
Conn Size/Type:	_____
Conn Matl/Rating:	_____

TRANSMITTER BODY	
Body/Flange Type:	DIRECT MOUNT (NOTE 1)
Conn Nom Size/Rating:	1/2" FNPT
Vent/Drain Location:	_____
Body/Flange Material:	316SS
Vent/Drain Material:	316SS
Bolting Material:	316SS
Flange Adapter Material:	N/A
Gasket/O-Ring Material:	TEFLON

SENSING ELEMENT	
Detector Type:	_____
Pressure Span Min/Max:	_____
Diaphragm/Wetted Parts:	316SS
Fill Fluid Material:	SILICONE

TRANSMITTER	
Output Signal Type:	4-20 mA C/W HART PROTOCOL
Enclosure Type/Class No:	NEMA 4X
Digital Communication STD:	HART
Signal Power Source:	LOOP POWERED
Integral Indicator Style:	LCD
Signal Termination Type:	TERMINAL BLOCK
Cert/Approval Type:	CSA
Span/Zero Adjust Ict:	LOCAL
Failure/Diagnostic Action:	_____
Enclosure Material:	_____
Calibration Range:	0-100 PSIG
Signal Conn Nom Size/Style:	1/2" FNPT

PERFORMANCE CHARACTERISTICS	
Max Press At Design Temp:	_____
Working Temp Min/Max:	_____
Accuracy Rating:	+/- 0.25% OF SPAN
Pressure LRL/URL:	_____
Amb Working Temp Min/Max:	_____
Stability:	+/- 0.1% OF SPAN / 12 MONTHS
Ambient Temp Effect:	_____
Vibration Effect:	_____
Humidity Limits:	0-100% RH

ACCESSORIES	
Manifold Valve Style:	2 VALVE, 316SS
Manifold Manufacturer:	ANDERSON GREENWOOD OR EQUAL
Manifold Model:	MPI-VIS-4 C/W MOUNTING BRACKET
Mounting Bracket:	2" PIPE STAND
Mouting Bracket Material:	STAINLESS STEEL

Notes:

Note 1: The transmitter shall be directly mounted to the Manifold via a 1/2" NPT connection and the manifold shall contain the harware to mount directly to a 2" pipe stand, enabling the transmitter to be removed from service without dismantling the manifold

Note 2:

Note 3: