



WorleyParsons
resources & energy

PROJECT: Keystone XL Oil Pipeline
Canadian Pump Stations
INSTRUMENT DATA SHEET

TEMPERATURE TRANSMITTER

REV	BY	DATE	REVISION
00	AP	18-Jan-12	Issued for Quotation
01	AR	3-May-12	Issued for Purchase

DATASHEET No. 25472-101-JTD-JT06-W0003		REV: 01
JOB NUMBER: 08E4490		DATE: 3-May-12
REQUISITION No. 25472-101-MR-JT01-W0002	PO No.	
BY AR	CHK'D SC	APPR. VWZ

1	Tag No.	See Attached List	Service	Unit Pump Ambient Temperature
2	Function	Record ☐ Indicate ☒ Control ☐ Blind ☐ Transmit ☒		
3	Case	MFR STD ☒ Nom Size _____ Color: MFR STD ☒ Other _____		
4	Mounting	Flush ☐ Surface ☐ Yoke ☐ Other Remote Mount (Note 3)		
5	Enclosure Class	Gen Purpose ☐ Weather proof ☐ Explosion-Proof ☒ Class CSA Class 1, Zone 2, Gr. IIA		
6	Power Supply	117 V 60Hz ☐ Other AC _____ DC 24 V DC _____ Volts _____		
7	Accuracy	+/-0.1°C+0.02% of span 01		
8	Frequency Response			
9	Transmitter Input	T/C ☐ Type _____ RTD ☒ Type 3 Wire, 100 Ohm Platinum (Note 5)		
10	Burnout Direction	Other _____ UPSCALE		
11	RTD Element Data Sheet No.	Note 3,5,6 01		
12	Amb. Temp. Effect on Cold Junction			
13	Amb. Temp. Effect on Amplifier			
14	Transmitter Output	4-20mA ☒ 10-50mA ☐ 21-103kPa (3-15psig) ☐ Other HART		
15	Alarm Switches	Quantity _____ Form _____ Rating _____		
16	Function	Temp. ☐ Deviation ☐ Contacts To _____ On Temp. Increase		
17	Options	Remote Mount, Mounting Bracket B5, 3-Point Calibration, Integral Transient Protector 01		
18	MFR & Model No.	3144PD1A1K6M5T1Q4B5,0078D11C30N060E6AXA 01		
19	P & ID No.	See Attached List		

- Notes:**
- 1.) Supply 316SS Tag, nameplate containing tag number, model/serial number, body rating operating limitation/conditions.
 - 2.) Ambient Temperature -40 °C to 40 °C (-40 °F to 104 °F).
 - 3.) Vendor to supply RTD & Transmitter. Transmitter is remote mounted.
 - 4.) The Unit Pumps are outdoor. ~~Vendor to provide shield for RTD.~~
 - 5.) RTD shall be with 1/2" NPT nipple-union-nipple Aluminum head connection and dual 1/2" NPT Conduit connection, Sensor immersion length is 6".
 - 6.) RTD shall be 3 wire, Platinum IEC60751, Class A . CSA Class I, Zone 2, Gr. IIA
 - 7.) () Indicates Expansion.

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