

**WorleyParsons**

resources & energy

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

TEMPERATURE TRANSMITTER

SHT 1 OF 2

DATASHEET No.

REV:

25472-101-JTD-JT06-W0002

04

JOB NUMBER:

DATE:

08E4490

16-May-12

REQUISITION No.

PO No.

25472-101-MRA-JT06-W0002

BY
ARCHK'D
SCAPPR.
WZ

1	Tag No.	See Attached List	Service	Mainline Inlet / Outlet Temperature
2	Function	Record ☐ Indicate ☒ Control ☐ Blind ☐ Transmit ☒		
3	Case	MFR STD ☒ Nom Size _____ Color: MFR STD ☒ Other _____		
4	Mounting	Flush ☐ Surface ☐ Yoke ☐ Other Note 2		
5	Enclosure Class	Gen Purpose ☐ Weather proof ☐ Explosion-Proof ☒ Class <u>CSA, Class 1, Zone 2, Grp IIA</u>		
		For Use In Intrin. Safe System ☐ Other NEMA 4X		
6	Power Supply	117 V 60Hz ☐ Other AC _____ DC <u>24 V DC</u> Volts _____		
7	Accuracy	(+/-) 0.1 °C ± 0.02 % of span 04		
8	Frequency Response			
9	Transmitter Input	T/C ☐ Type _____ RTD ☒ Type <u>3 WIRE, 100 OHM PLATINUM</u>		
		Other _____		
10	Burnout Direction	<u>UPSCALE</u>		
11	RTD Element Data Sheet No.	<u>25472-101-JTD-JT00-W0001 (Skin type RTD) & 25472-101-JTD-JT00-W0002 (Soil Temperature RTD)</u>		
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 <u>HART</u>		
		Range - 40 °C to 80 °C		
15	Alarm Switches	Quantity _____ Form _____ Rating _____		
16	Function	Temp. ☐ Deviation ☐ Contacts To _____ On Temp. Increase		
17	Options	<u>Mounting bracket option B5, 3-point calibration, Integral Transient Protector</u> 04		
18	MFR & Model No.	<u>3144PD1A1K6M5T1Q4B5</u> 04		
19	P & ID No.	<u>See Attached List</u>		

Notes:

- 1.) Supply 316SS Tag, nameplate containing tag number, model/serial number.
- 2.) Transmitter to be mounted as per installation detail drawing # 25472-100-J8-0000-W0001 for the skin type RTD and as per installation detail drawing # 25472-100-J8-0000-W0026 for the soil temperature RTD .
- 3.) Ambient Temperature -40 °C to 40 °C (-40 °F to 104 °F)

[illegible]