

**WorleyParsons**

resources & energy

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

TEMPERATURE TRANSMITTER

REV	BY	DATE	REVISION
00	TR	6-Jul-09	Issued for Quotation
01	CP	7-Jan-10	Issued for Purchase
02	AR	8-Mar-12	Re-Issued for Quotation
03	AR	11-Jun-12	Re-Issued for Purchase

DATASHEET No.		REV:
25472-101-JTD-JT06-W0001		03
JOB NUMBER:		DATE:
08E4490		11-Jun-12
REQUISITION No.	PO No.	
25472-101-MRA-JT01-W0003		
BY	CHK'D	APPR.
AR	AM	WZ

SHT 1 OF 2

	1	Tag No.	See Attached List	Service	Station Inlet / Outlet Temperature
GENERAL	2	Function	Record ☐ Indicate ☒ Control ☐ Blind ☐ Transmit ☒		
	3	Case	MFR STD ☒ Nom Size _____ Color: MFR STD ☒ Other _____		
	4	Mounting	Flush ☐ Surface ☐ Yoke ☐ Other ☒ Remote Mounted (Note 2)		
	5	Enclosure Class	Gen Purpose ☐ Weather proof ☐ Explosion-Proof ☒ Class CSA Class 1, Zone 2, Gr. IIA		
	6	Power Supply	For Use In Intrin. Safe System ☐ Other NEMA 4X		
	7	Accuracy	117 V 60Hz ☐ Other AC _____ DC 24 V DC Volts _____		
	8	Frequency Response	$\pm 0.1^\circ\text{C} \pm 0.02\%$ of span		
	9	Transmitter Input	T/C ☐ Type _____ RTD ☒ Type 3 WIRE, 100 OHM PLATINUM		
XMTR INPUT	10	Burnout Direction	Other _____ UPSCALE		
	11	RTD Element Data Sheet No.	25472-101-JTD-JT01-W0001		
	12	Amb. Temp. Effect on Cold Junction			
XMTR OUTPUT	13	Amb. Temp. Effect on Amplifier			
	14	Transmitter Output	4-20mA ☒ 10-50mA ☐ 21-103kPa (3-15psig) ☐ Other HART 03		
15	Alarm Switches	Quantity _____ Form _____ Rating _____			
16	Function	Temp. ☐ Deviation ☐ Contacts To _____ On Temp. Increase			
17	Options	LCD Display, Integral Transient Protector, 3-Point Calibration, Mounting Bracket Option B5 03			
18	MFR & Model No.	3144PD1A1K6M5T1Q4B5 03			
19	P & ID No.	See Attached List			

Notes:

- 1.) Supply 316SS Tag, nameplate containing tag number, model/serial number.
- 2.) Vendor to supply thermowell, element and transmitter. Transmitter will be Remote Mounted. Refer to Electrical Installation drawing # 1399-05-00-ID-003 See Datasheet: 25472-101-JTD-JT01-W0001.
- 3.) Ambient Temperature -40 °C to 40 °C (-40 °F to 104 °F).
- 4.) Vendor to provide CSA approvals for the Transmitter, Thermowell and RTD.
- 5.) 3 Wire RTD Extension wire from RTD to Transmitter shall be provided by Facility Contractor.

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[illegible]