iSignalTrans®

IST-P
Isolated 3 wire potentiometer transmitter
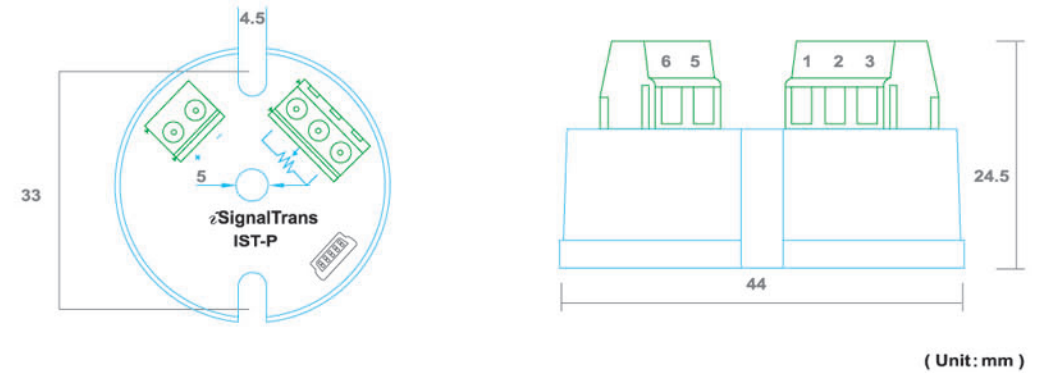
VERTEX

CE

Features

- Up to 15 User defined linearization points available.
  The user linearization feature allows the volume of a tank's contents to be calculated from the height of the material in that container. Up to 15 linearization points can be defined by user in the measurement range.
- Configurable without Power Connected.
- 3750 Vrms isolation between input and output.
- 2-wire loop-power technology, 4 to 20 mA analogue output.
- Fault signal on sensor break presettable.
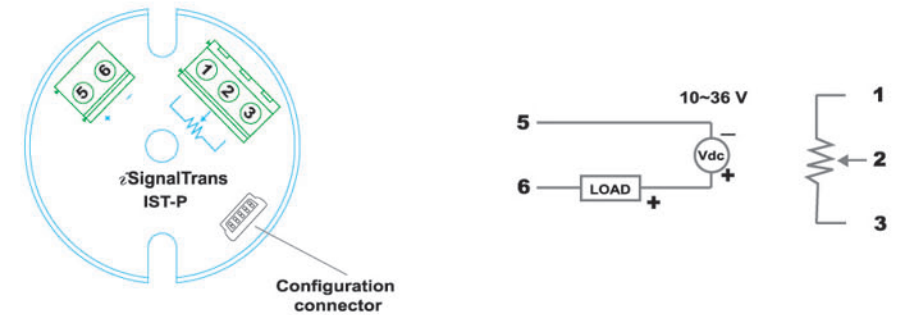- Accept 200 ~ 60K ohms 3 wire Potentiometer input.
- Head mount.

Configuration

The iSignalTrans® IST-P is user configurable using our iSignalwin® software on your PC/notebook or our dedicated handheld programmer. The easy to use iSignalwin® software is available free from your supplier or can be downloaded from our web site and should be used in conjunction with the URC-1020 USB cable which incorporates an interface converter necessary for communications. The IST-P transmitter can be configured without any loop or power connected making it easy to configure in the

Dimension

(Unit: mm)

Electrical Connection

10~36 V

Configuration connector

	Specification
Input	Potentiometer 200Ω~60K Ω
Accuracy	± 0.1% F.S.
A/D Resolution	16 bits
Input Sampling Rate	<200ms
Power Supply	DC10~36V
Max. Load	Max Load = （V-10）/0.02 （Ω）
Output Resolution	0.6 μ A(15 bits)
Output Respond Time	<200ms
Common Mode Rejection Ratio(CMRR)	> 80 dB
Electromagnetic compatibility	En 50081-2, En 50082-2
Galvanic isolation	3.75 KV . between input and output
Operating Temperature	-40 to 85 ° C
Humidity	0 to 90% RH

Ordering Information

IST-P

User Defined Linearization Points	Code
2 points	2
5 points	5
15 points	15