

DUAL INPUT TEMPERATURE / PROCESS INDICATORS



DPI-966 T

MODEL WISE DESCRIPTION

Model	Product Description	Configuration	Size	Part no.
DPI-966-T	Dual Input Temperature & Process Indicator	(2 AI + 2 AO + 1 SO)	96 x 96 x 120	1307

CONFIGURATION

- AI: Analog Input from Process transmitter in the form of 4-20mA or from the Temperature Sensors.
- AO: Analog Output proportional to Analog input, available in the form of Retransmission output of 4-20mA or optionally 0 -10V
- SO: Serial Output in the form of RS-485 on MODBUS RTU interface.

FEATURES

- Microcontroller based Design
- Two Temperature or Process Input
- Software linearized for better measurement accuracy
- Available in standard 1/4 DIN sizes
- Works on universal 90-240VAC
- Universal and User selectable input from process transmitters/temperature sensors
- Industrial standard Analog and Digital Interface

TECHNICAL SPECIFICATIONS

Process Input	4-20mA or 0-10V
Display Range	-2000 to +2000 or 0 to 4000 count with programmable decimal point
Resolution	0.1,0.01,0.001
Temperature Input 1 and 2	Thermocouple type – J, K, RTD(Pt-100) or R, S, B thermocouple (Any one to be specified by User – and not user selectable)
Temperature Range	As shown in the table below
Resolution	1°C for thermocouples and 0.1°C for Pt-100.
Sampling rate / Display rate	The input is read @40mS / the display is updated @1 second.
Indicating Accuracy	+/- 1°C for Thermocouple throughout the range and +/- 0.1°C for Pt-100 for (4-20)mA or (0-10)V - absolute to the linear input signal
Display	4 digit 0.5" Red 7-segment display for 1st Input reading 4 digit 0.5" Green 7-segment display for 2nd input reading
Settings	Using Front panel feather touch key board to set various parameters like SPAN HI/LO values, MODBUS Slave ID, Input selection, calibration etc...
Retransmission Output (Analog)	4-20mA linearized and proportional to the selected input type and range. Available for each Input. (Optional)
Digital Serial Interface	Optically isolated 2 wire RS485 over Modbus RTU protocol. (Slave mode with programmable Modbus address). (Optional)
Supply	(90VAC-250VAC), 50/60 Hz, 18 to 48VAC/DC (optional)
Size	As shown in the above table
Enclosure	ABS plastic with polycarbonate front graphic.

Note : Technical specifications are subject to change due to continuous product upgradation.
For any special requirement please contact.

DESCRIPTION

Libratherm offers Dual Input Digital Temperature and Process Indicators as shown in the above table. User has the choice of selecting Input 1 and Input 2 as per the requirement.

Part no. 1302:DPI-966-T:

This Indicator is available in the size of 96w x 96h x 120d mm. Accepts Any 2 Input from J, K, R, S, B thermocouple, Pt-100, 4-20mA and provides retransmission of 4-20mA proportional to each input and serial output of RS485 MODBUS interface, operating on 90-240VAC power supply. For any special function of retransmission output proportional to Differential Input or Summation of Input, please write to us on email : sales@libratherm.com

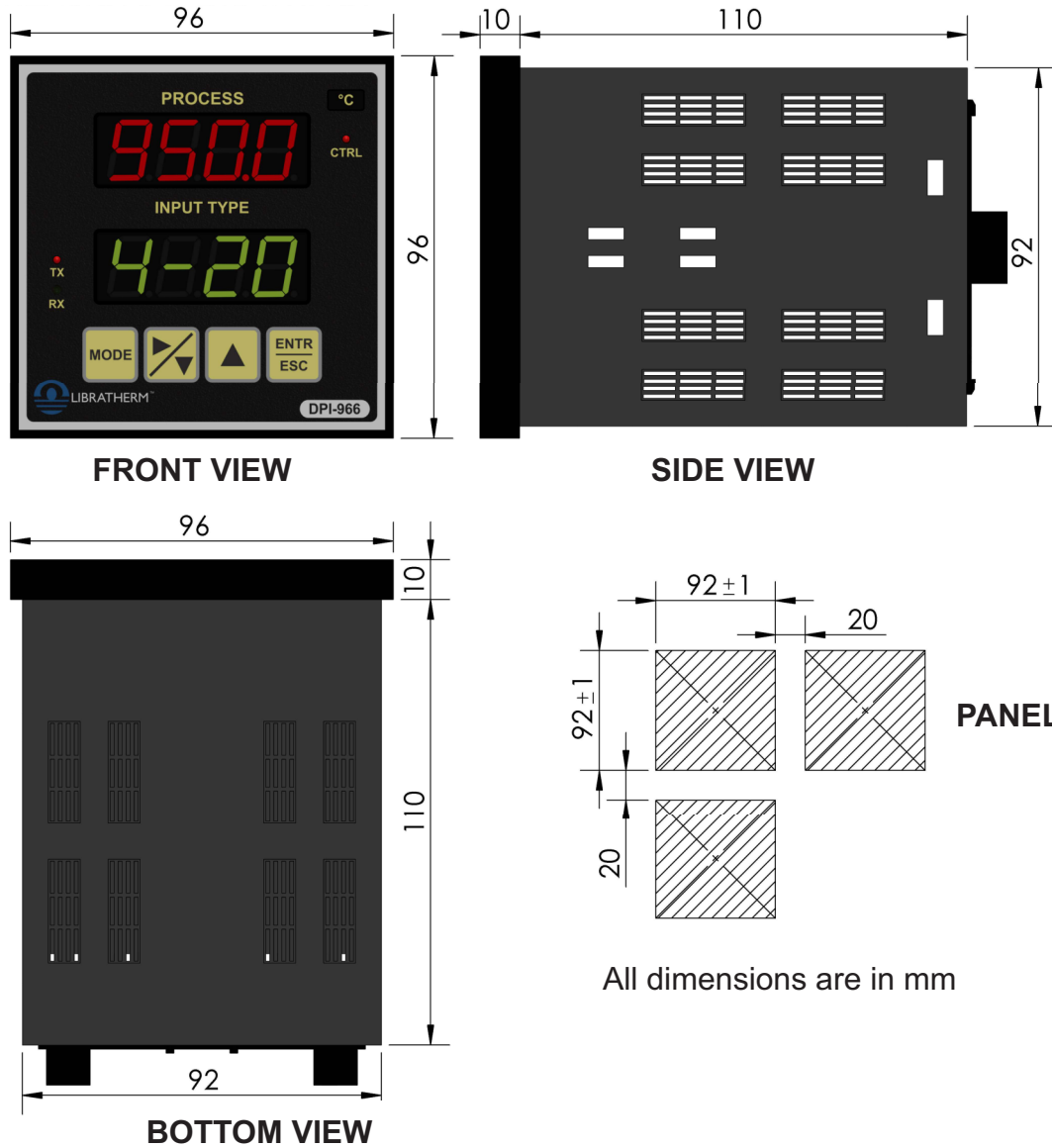
ORDERING CODE

Sr no.	Model	Specifications	Part No.
1.1	DPI-966-T	Input1 and Input 2 : J T/C with no interface	1307-1
1.2	DPI-966-T	Input1 and Input 2 : J T/C + Dual 4-20mA Retrasmision	1307-2
1.3	DPI-966-T	Input1 and Input 2 : J T/C + RS-485 interface	1307-3
2.1	DPI-966-T	Input1 and Input 2 : K T/C with no interface	1307-4
2.2	DPI-966-T	Input1 and Input 2 : K T/C + Dual 4-20mA Retrasmision	1307-5
2.3	DPI-966-T	Input1 and Input 2 : K T/C + RS4-85 interface	1307-6
3.1	DPI-966-T	Input1 and Input 2 : (Pt-100) with no interface	1307-7
3.2	DPI-966-T	Input1 and Input 2 : (Pt-100) + Dual 4-20mA Retrasmision	1307-8
3.3	DPI-966-T	Input1 and Input 2 : (Pt-100) + RS-485 interface	1307-9
4.1	DPI-966-T	Input1 and Input 2 : (4-20)mA with no interface	1307-10
4.2	DPI-966-T	Input1 and Input 2 : (4-20)mA + Dual 4-20mA Retrasmision	1307-11
4.3	DPI-966-T	Input1 and Input 2 : (4-20)mA + RS-485 interface	1307-12

Note: Please contact us for any other 2 input combination or for any additional functions.

DPI - 966-T

DIMENSIONAL DRAWING



CONNECTIONS

