

The Need For Every
Process Industry

SPINK CONTROLS®

An ISO 9001:2015 Certified Company



DIGITAL PROCESS INDICATOR

MODEL: SC / T - 300

TEMPERATURE

DIGITAL PROCESS INDICATOR / CONTROLLER (DPI - 202)

MODEL : SC / T - 300

FEATURES

- ✓ Ruggedised, State-of-the-art Micro-controller based DUAL channel Indicator - Controller.
- ✓ 4 Digit RED LED display, size: ½ inch.
- ✓ Isolated Retransmission output for each channel
- ✓ Settable Hysteresis for four relays.
- ✓ User configurable span and zero for both inputs.
- ✓ Serial Communication on Isolated RS 485 with Modbus RTU protocol for SCADA applications (Optional)
- ✓ Flameproof enclosure - Optional.



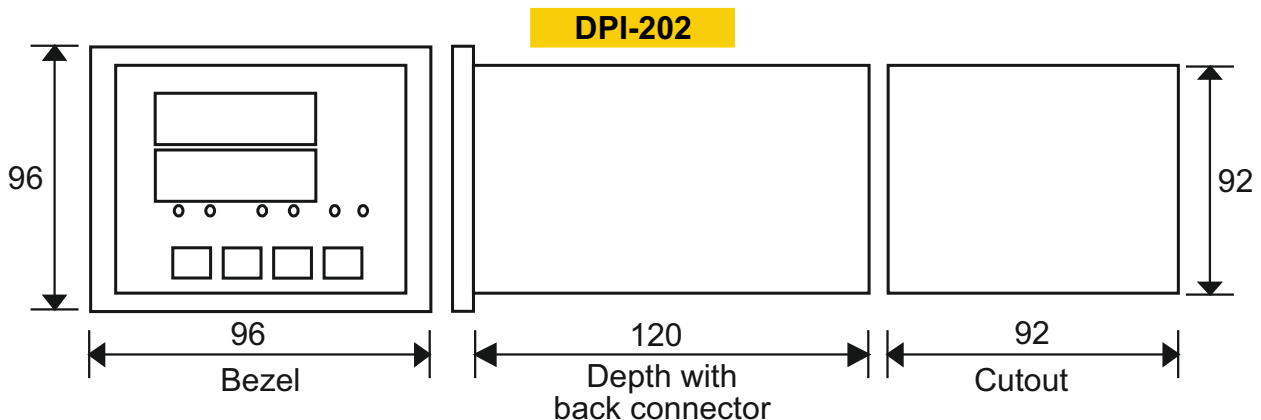
APPLICATION

- ✓ DPI-202 is intended to be used for indication and control application.
- ✓ 7 segment RED LED display makes it visible from long distance.
- ✓ 4 digit resolution gives accuracy as high as $\pm 0.2 \% \pm 1 \text{ LSD}$.
- ✓ Unit accepts 2 nos 4 - 20 mADC linear inputs, the most commonly used signal in process industry. User can connect 2 wire / 4 wire inputs from transmitter easily to each input. Transmitter power supply will be provided by unit in 2 wire mode.

OPTIONAL

Optically Isolated Serial port RS 485 with MODBUS RTU protocol gives the user facility to connect the unit on all standard SCADA and DCS.

DIMENSIONAL DRAWING



All dimensions are in mm

ENGINEERING SPECIFICATION DPI - 202

Input (Dual Channel)	Two nos. 4- 20 mADC linear 2 wire / 4 wire inputs
Display	7 segment LED, 4 digit process value. Display Size = ½” for each input
Keyboard	4 key tack-tile keyboard
Scaling	Process value is scalable by software with Decimal point selection.
Relay Outputs	4 relay outputs, contact rating 230VAC, 1Amp with settable hysteresis. Pole and NO or NC contacts are provided for each relay. (NO / NC option Factory set)
Supply	230VAC / 110VAC, ±10 %, single phase, 50 Hz
Accuracy	± 0.2 % of FSR ± 1 LSD
Resolution	14 bit
Indications	3 mm LED indication for Relay and serial operation
Retransmission Output	Isolated 4-20 mA true Retransmission Output for remote indicator or PLC.
Transmitter Power Supply	24 VDC, 50 mA power supply is made available for the external transmitter, for both inputs
Data Storage	All settings are stored in a EEPROM.
Serial Communication (Optional)	On line PC connectivity through SERIAL port RS485 on MODBUS protocol. Optically Isolated RS485 port
Connections	24 connections on Screw type connectors
Cabinet	Panel mounting ABS enclosure Size -- 96 x 96 x 120 mm (H x W x D) Cutout -- 92 x 92 mm

ORDERING INFORMATION

DPI-202-Sx-Cx-Ex-RCx

S = Supply: 0= 230VAC; 1= 110VAC
C = Communication: 0= No; 1=Yes
E = Enclosure: 0= Panel Mounting; 1= Flameproof
RC = Relay Contact: 0= NO; 1= NC

***Note :** Due to continuous development specifications may change without prior notice*



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Plant 1

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Plant 2

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