

# Big Process Indicator DP50



- 6 Digit Display
- 100 mm. Height
- Programmable Input Type
- RS 485 Modbus Communication

**Big Process Indicator DP50** Is Process indicator with programmable input such as

- Temperature Sensor both Thermocouple (R,S,K,E,J,T,B) and RTD(PT100)
- DC Volt (0 - 10 VDC, 0 - 5 VDC, 0 - 30VDC)
- DC mV (0 - 100 VDC)
- DC mA (0 - 20mA, 4 - 20 mA)

In addition, Modbus Protocol supported

## Specifications

### Serial Interface

**Serial Standards:** RS485 (Isolated)  
3 Pin Terminal Block

**Loading:** RS485 Max 32 Unit

**Distance:** RS485 Length 1 Km.

**Protocol:** MODBUS ASCII/RTU

**Supply Software:** Citect, Wonderware,  
LAB View etc.

### Serial Parameter

**Baud Rate:** 4800, 9600, 19200, 57600

**Data Bits:** 8

**Stop Bits:** 1

**Parity:** None

### Monitor

**Display:** 6 Digits, 100 mm. Height  
(7-Segment)

**Display Color:** Red (std)

### Analog Input

**Number of channel:** 1 Channel

**Input type:** Programmable

### Input range

Thermocouple (R, S, K, E, J, T, B)

RTD (Cu10, PT100, PT1000)

Resistance (0-600  $\Omega$ , 0-1.2 K $\Omega$ , 0-4 K $\Omega$ )

Voltage mVDC (0-80 mV, 0-150 mV)

Voltage VDC (0-1, 0-5, 0-30)

Current (4-20 mA, 0-20 mA)

**ADC Resolution:** 16 bits

**Accuracy:**  $\pm 1$  least significant digit

### Power Requirements

**Power Supply:** 110, 220 VAC

(12 VDC, 24 VDC Optional)

### Environmental Limits

**Operating Temperature:** 0 to 55  $^{\circ}\text{C}$

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** 0 to 70  $^{\circ}\text{C}$

### Physical Characteristics

**Dimension:** W590 x H140 x D60 mm.

**Wiring:** screw terminals

### Warranty

**Warranty Period:** 5 years

**Ordering Information:** Specify Power Supply

Example DP50/220 VAC

### Package Checklist

1. DP50
2. Cable Config

### Application for DP50

