

INNOVEC

CONTROLS PTY LTD

INNOVEC DI35WP50 POWERED PROCESS INDICATORS



The **DI35WP50 Powered Process Indicator** is a 120/240VAC or 12-36VDC powered 3.5 digit (1999 count) process indicator supplied in a surface mount weatherproof enclosure with a 50mm high LED display which is rangeable in engineering units for millivolt, milliamp and voltage inputs. An optional 24VDC at 30mA loop supply is available for the direct connection of 2 wire transmitters.

FEATURES

- Accepts all standard process signals
- User rangeable in engineering units
- Bandgap reference
- 85 to 250VAC 47-63 Hz supply or factory fitted 12 to 40VDC supply
- 3.5 digit high brightness LED display
- The DI35WP50 has a 50mm digit height and decimal point selection
- The DI35WP50 is supplied in a 200 x 100 x 70mm IP65 weatherproof enclosure
- Loop power supply of 24VDC for loop powered sensors and transmitters
- Applications include the display of flow, level, pressure and speed

The DI4WP50 Powered Process Indicators are advanced instruments which have been designed and manufactured to stringent specifications.

The instruments have been designed to accept all the standard analogue process signals. The input measurement is shown on a high contrast LED display. The DI35WP50 incorporates an LSI CMOS 2000 count dual slope integrating analogue to digital converter which is designed to reject electrical interference that normally abounds in industrial environments. The DI35WP50 series includes screw terminal electrical connection.



TECHNICAL SPECIFICATIONS

Input Details

- The instrument has a bipolar differential input and a temperature compensated Bandgap reference. Full scale ranges of 20mV to 200VDC 200uA to 2Amps and 4-20mA are acceptable.
- CMRR greater than 86db.
- NMRR greater than 100db.

Display

- A 3.5 digit high contrast light emitting diode (LED) with a wide viewing angle.
- The DI35WP50 has a digit height of 50mm.

Decimal Points

- Three (3) position user selectable by touch button programming.

Environmental Parameters

- 0-70 degrees Celsius.
- 0-90% RH Non condensing.

Connection Details by rear mounting 10 way screw terminal strip

Terminal 1: :input common(-)	Terminal 6: not used
Terminal 2: :input (+) for mA input	Terminal 7: not used
Terminal 3: :input (+) for volts input	Terminal 8: VAC active supply or 24VDC (+)
Terminal 4: 24VDC loop supply	Terminal 9: VAC neutral supply or 0VDC (-)
Terminal 5: not used	Terminal 10: Ground supply

Instrument Power Supply

- 120/240VAC 47-63 Hz or DC to DC converter isolator from 12 to 40VDC.

Transducer Power Supply

- A 24VDC at 30mA transducer power supply is incorporated in the instrument.

Weight

- DI35WP50 is 450 grams.

Mounting Details

- **DI35WP50:** IP65 Impact resistant surface mounting plastic enclosure of case dimensions 180mm wide by 80mm high by 73mm deep with fixing centres of 162mm wide by 62mm high.

Ordering Information

- Model/input signal/display units/power supply.
- Sample number: DI35WP50/4-20mA/0-100.0/VAC.
- All units shipped factory calibrated to 0-100.0.



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