

INNOVEC

CONTROLS PTY LTD

INNOVEC DI2 LOOP POWERED PROCESS INDICATOR



The **DI2 Loop Powered process Indicator** is a self powered 4-20mA input panel mounting process indicator which is housed in a 48 x 96mm impact resistant aluminium enclosure with weatherproof front. The instrument incorporates a 3.5 digit 12.5mm high LCD display with a wide viewing angle. It is user programmable in engineering units.

FEATURES

- Accepts 4-20mA or 10-50mA input
- User programmable in engineering units
- Loop powered
- Low cost - High Performance
- Positive or negative signal slope selection
- DI2 is in a panel mount enclosure
- Applications include the display of flow, level and pressure
- Australian design and manufacture

The DI2 instruments have been designed to accept an input signal of 4-20mA or 10-50mA and be powered from that signal. The input measurement is shown on a 12.5mm digit height 3.5 digit liquid crystal display (LCD).

They are user programmable in percent or engineering units for such process variables as flow, level, pressure and temperature.

The instruments have been designed to reject electrical interference that normally abounds in industrial environments.

The DI2 is supplied in a 48 x 96mm panel mount enclosure

TECHNICAL SPECIFICATIONS

Input Details

- 4-20mA or 10-50mA current loop and a voltage drop of 2.5 volts at 20mA.
- A reverse current of one ampere continuous.
- CMRR greater than 100db.
- NMRR greater than 50db.

Display

- A 3.5 digit high contrast liquid crystal display (LCD) on a reflective background with a wide viewing angle and a viewing distance of 5 metres.

Decimal Points

- Three (3) position user selectable by dip switch for formats: 100.0; 10.00 and 1.000.

Overrange

- Most significant digit '1' and the three least significant digits blank.

Span Range

- 0 to 2000 counts adjustable. For field adjustments the zero and span potentiometers are accessible from the rear of the instrument (DI2 only).

Accuracy

- 0.1% of reading +/- 1 count.

Environmental Parameters

- 0-70 degrees Celsius.
- 0-90% rh non condensing.

Connection Details

- Terminal 1:input low (-)
- Terminal 2:not used
- Terminal 3:input high (+)

Instrument Power Supply

- The operating power for the DI2 is obtained directly from the input signal current loop.

Case Details

- Height: 96 mm.
- Width: 48 mm.
- Depth: 78 mm.

Weight

- DI2 is 200 grams.

Mounting Details

- Panel mounting with a panel cut out of 93mm wide by 45mm high.

Options

- Led backlighting is available to operate from 24VDC.

Ordering Information

- Model/input/display units/power supply/options.
- Sample no.DI2/4-20mA/0-100.0/LP.
- All units shipped factory calibrated to 0-100.0.

Innovec Controls is an ISO9001:2015 registered company

