

3+½ Digit Indicator

DI350 Current/Voltage Inputs



- Bright 3+½ digit LED display in engineering units
- Current or Voltage signal inputs
- Integral power supply for active input devices
- Linearity $\pm 0.1\%$ of span
- AC or DC powered
- Fully Isolated
- 1/8 DIN standard front with IP65 rating
- Removable, screw type, terminal blocks



Australia

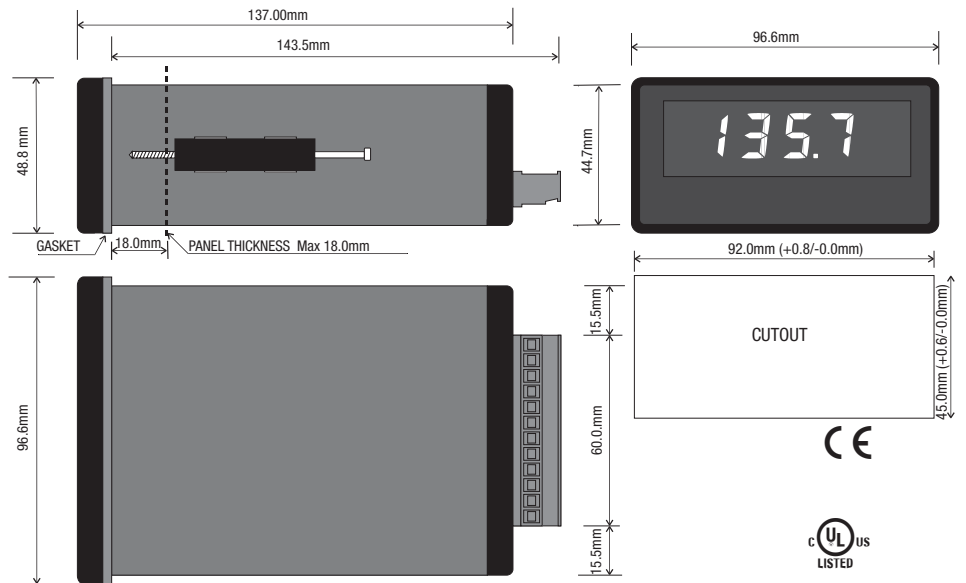
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General Technical Data

| Display | |
|--------------------------|--|
| Type | Full 3+½ digit, red 14.2 mm LED |
| Scaling | To display in % or engineering units |
| Display range | - 1999 to 1999 |
| Decimal point setting | 1.000, 10.00, 100.0 |
| Inputs | |
| Type | Analogue current or voltage signals (as ordered) |
| Standard ranges | 4-20mA / 0-10V (Other ranges are available on request) |
| Input Impedance | 22 Ω (current inputs) or 1M Ω (voltage inputs) |
| Transducer supply | 24Vdc (to 25 mA) output |
| Adjustments | |
| Type | 22-turn potentiometers |
| Zero | ±1200 counts |
| Span | from 20 to 2100 counts |
| Power supply | |
| Type | AC or DC powered |
| AC | 110Vac @ 47-63Hz nominal (range 100-132Vac) 240Vac @ 47-63Hz nominal (range 200-264Vac) |
| DC | 24Vdc nominal (range 12-35Vdc) |
| Power usage | AC 6VA or 4.5W at 24Vdc |
| Insulation Co-ordination | |
| Ports | Input / Power Supply |
| Rated Insulation Voltage | 300Veff |
| Oversvoltage Category | III |
| Impulse Withstand | 4kV (1.2 / 50) |
| Isolation | 2 kV (between ports) |
| Environmental Conditions | |
| Operating temperature | 0 to 60 °C |
| Storage temperature | -25 to +70 °C |
| Pollution Degree | 2 |
| Relative humidity | 10-90% (non-condensing) |
| Performance | |
| Linearity | Better than 0.1% typical |
| Temperature drift | Less than 0.02% span/°C |
| Long term drift | 0.1% per 10,000 hours |
| Housing | |
| Type | Double Insulated Panel mount Enclosure |
| Front bezel | IP65 rated 1/8 DIN format |
| Dimensions | See mechanical drawing |
| Weight | 0.24kg |

Connections

| Terminal | Signal | |
|----------|---------------------|--------------|
| 1 | 24Vdc Sensor Supply | Inputs |
| 2 | 0Vdc Sensor Supply | |
| 3 | Input + | |
| 4 | Input - | |
| 5 | Not used | |
| 6 | Not used | |
| 7 | Live (+) | Power Supply |
| 8 | Neutral (-) | |

Ordering Information

| Type (Model) | Input/Display/Supply | Cat. No. |
|----------------------------|----------------------|------------|
| DI350 0-10V/0-100.0/24Vdc | | 7940011570 |
| DI350 4-20mA/0-100.0/24Vdc | | 7940010185 |

For other ranges please specify DI350 1/2/3 where:

- 1 = Input range
- 2 = Display range
- 3 = Power Supply Voltage

Approvals

| Mark | Standards | |
|---------------------------|---------------------|--|
| | E256486 | CAN/CSA C22.2 No. 1010.1:92 UL61010-1: 2004 |
| CE * | LV Directive EMC | EN50178:1998 BS EN 61326:1998 + A2 |
| *24Vdc Powered units only | | |