

LPI610 4–20mA Display



- ✔ **Loop powered 4–20mA DC input**
No power supply required!
- ✔ **Wide variety of possible applications**
Customise and scale the LPI610 to suit virtually any engineering application, and select any character as your on-screen units.
- ✔ **Simple to set up and operate**
- ✔ **Easy surface mounting installation**
Requires minimal drilling, and occupies no space behind the panel. Ideal for confined spaces.
- ✔ **IP65 rated for dust and water resistance**
- ✔ **Lockable display prevents tampering**
- ✔ **Display backlight enables viewing in the dark**
Charges off the input signal.
- ✔ **Protected against reverse wiring and accidental 24V supply**

Specifications

Input configuration Series connection to 4–20mA DC current loop

Powered from the input signal Min input 3.5mA, max continuous input 100mA. 3.6V drop plus 40Ω (equivalent to 4.3V at 20mA). Typically load is 220Ω.

A/D converter 16 bit Sigma Delta

Accuracy ±0.02% of reading (plus 2 digits)

Temperature range -10 to 60°C (14 to 140°F)

Temperature coefficient Typically 30ppm/°C (plus 0.1 counts/°C for zero offset)

Conversion rate 10 readings per second

Protected against reverse wiring and accidental 24V supply

Easy key-in calibration scales the display using high and low display values, without the use of a calibrator. (Two point calibration using live input signals is also available)

Dimensions (H x W x D) 72 x 144 x 25mm (2.8 x 5.7 x 1.0")
Depth dimension includes foam seal

IP65 rated For dust and water resistance

Display

Full scale ranges Adjustable to any display span between -99,999 and +999,999. Max resolution (50,000 counts) from any signal input span between 3.5 and 27.5mA

Type 17.5mm Liquid Crystal Display

Units Select KG, LB, T or a custom character (i.e. C, F, L etc)

Decimal point Select up to 4 decimal places

Display lock Locks all buttons on the front panel (except the backlight), to prevent tampering

+/- Over-range Display shows UNDER or OVER

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