

Model DFI-05L Mk2

Digital Load and Weight Indicator



- 5Vdc or 10Vdc Transducer Excitation
- Tare, Max / Min & Reset Functions
- All set up via front panel
- CE Approval
- 1/8 Din size case
- Optional alarm relays (2 or 4)
- Optional Analogue & serial O/P

The DFI-05 is designed for use with load cells in either weighing or force measurement applications. Its Sigma-Delta 20-bit ADC performs 10 conversions per second with a resolution of 1 part in 400,000 and a maximum sensitivity of 1µV or better. Load cells can be wired in either 4 or 6 wire configurations with up to 4X 350R units connected to each indicator for platform or vessel weight displays. Standard features include Adjustable filters, Automatic Zero drift compensation, Peak & Valley detection, Last digit Round-up, In-flight compensation and multi-point linearized calibration

- 6 digit bright Red LED display
- Display range -199,999 to 199,999
- Display update rate 10 per second
- Calibration with linearization
- Sensitivity to 1µ
- Resolution to 1 part in 400,00
- Bipolar input to ±4mV/V

Specifications

Performance	Accuracy ±0.05%, Max input ±4mV/V, Resolution 1:400,000 Sensitivity to 1µV
Operational range	Temperature 0 to +50°C , Humidity 0 to 90% non condensing
Power Supply	100 to 240 Vac@ 45/60Hz, optional 11-30 Vdc
Sealing	IP65 Front Panel, optional IP67 splash proof cover
Alarms	Links: Energised or de-energised & no/nc. Quad front panel annunciators as standard. Optional dual/quad 5A relays or Solid-state switches
Dimensions	96mm W x 48mm H x 125mm D (includes connectors)

Options

- 2 or 4 relay outputs driven by individual set points with adjustable Hysteresis,
- Fully scalable analogue output.
- Serial output for PC communication
- Desk top enclosure with all connectors wired as standard