

Model DFI-01

High Accuracy Force Indicator

- 6 Digit LED Display ($\pm 999,999$)
- Resolution to 1 part in 300,000
- ADC - 20 bit @ 50/sec max.
- Bipolar ratiometric input $\pm 45\text{mV}$
- Sensitivity to $0.1\mu\text{V}$
- Peak Capture facility
- 10 Vdc Transducer Excitation
- RS-232 control/output port
- Independent Serial Printer port
- CE 97 compliant
- Optional Display Hold
- Optional Analogue output

Specifications (nominal)

Input	Bipolar or Unipolar
Non-linearity Integral Differential	0.0007% $\pm 0.5\text{LSB}$
Stability Gain Zero	1ppm/ $^{\circ}\text{C}$ 5nV/ $^{\circ}\text{C}$
Operational range Temperature Humidity	-10 to +40 $^{\circ}\text{C}$ 85% non condensing
Power supply	220/240 Vac @ 50/60Hz Internal links for 110/115 Vac optional 12-28 Vdc
Sealing	IP54 Front Panel
Interfaces	RS-232 3 wire Control & Serial Printer port Logic: 2 \times Inputs, 2 \times Outputs. Optional RS-485/422
Dimensions	144mm W \times 72mm H \times 220mm D (Excluding Handle)



Options

- Panel mount fixings and sealing gland
- Calibration Simulator AS600 for simple calibration or routine checking
- UKAS/NAMAS or Commercial calibration
- Analog Output with $0\pm 10\text{V}$, $0\text{-}20\text{mA}$ or $4\text{-}20\text{mA}$
- Display Hold/Freeze via wired remote button

The **DFI-01** has been developed specifically for use in mobile or desktop instrument applications where high accuracy force or weight indication is required. The units small physical size and its tilt leg/carry handle offers ease of viewing and portability.

Front panel keys or Remote RS232 offers instant access to Tare, Set Zero, Print, Test ($\times 10$ display) & Mode (Gross/Net/Peak) with full calibration and set up facilities. The detailed menu driven procedure can be password protected with two access levels to prevent inadvertent changes to calibration or set-up information.

Interface Force Measurements Ltd.

PO. Box 7814, Crowthorne, Berks., RG45 6FB. England
Tel: (+44) 01344 776666 Fax: (+44) 01344 774765