

Model DFI-02**Calibration Grade High Accuracy Force Indicator**

- 6 Digit LED display (± 999.999)
- Resolution to 1 part in 500,000
- ADC -24 bit @50/sec max.
- Bipolar ratiometric input $\pm 6\text{mV/V}$
- Sensitivity to $0.1\mu\text{V}$
- 5Vdc transducer Excitation



The **DFI-02** is based on the highly successful DFI-01 and is designed specifically for use in mobile or desktop instrument applications where high accuracy force or weight indication is required. The updated design includes a 24-bit ADC with high stability electronics and the firmware incorporates many new features to make this ideal for ISO-7500/1 calibration systems. The unit's 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

Input	Bipolar or Unipolar
Resolution, Internal	1 part in 16M
Resolution, Display	1:500,000
Non-linearity, Integral	<0.0015%
Non-linearity, Differential	$\pm 0.5\text{LSB}$
Stability, Gain	1.6ppm/ $^{\circ}\text{C}$
Stability, Zero	<5nV/ $^{\circ}\text{C}$
Excitation	5V dc
Power Supply	220/240VAC@50/60Hz. Internal links for 110/115VAC. Optional 12.28Vdc
Interfaces	RS232, 3wire control, optional RS485/422
Environmental Sealing	IP54
Dimensions	144 x 72 x 220 mm, excluding handle
Operating Temp	-10 to +40 $^{\circ}\text{C}$

Options:

- Panel mount fixings
- UKAS calibration
- ISO 376 calibration
- Analogue output with +/-5V, 0-10V or 0/4-20mA
- Display hold with plug in, hand held freeze switch