

# FI-80

## Load Cell Indicators

- Factory calibrated
- LED or LCD display
- Wide assortment of load cell styles and fittings



## Out-of-the-box Easy

Think Dillon for pre-calibrated load cell and indicator systems with the broadest range of load cell styles and connection fittings. Dillon does all of the work – systems are wired, factory calibrated and ready to begin measurement right out of the box.

The Dillon FI-80 Indicator family is perfect when looking for:

- Affordability
- Display choices
- Rechargeable battery

Ideal for manufacturing, labs, outdoor, field use and more.

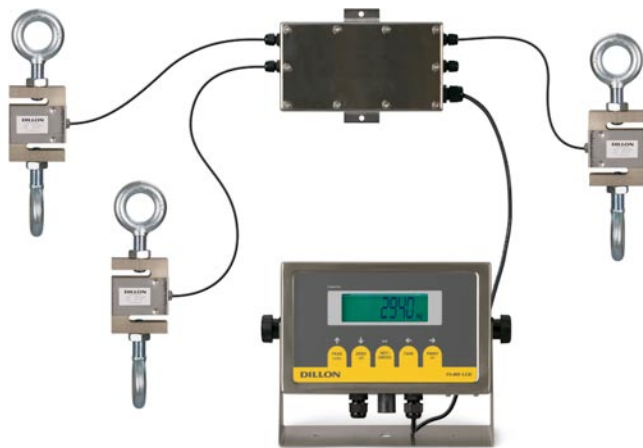
Key model differences:

Model	Display Capability	Portability
FI-80 LED	Indoor and shaded outdoor	No (AC only)
FI-80 LCD	Outdoor	Yes (Rechargeable Batt.)

## Load Cells

Couple your FI-80 with a Dillon load cell at the time of order and receive free factory calibration. Dillon has a wide range of popular S-beam and canister load cells to match specific application needs. A large assortment of connecting hardware makes this combination even more versatile.

Combine several load cells together and see their combined output with a load cell summing box.



## Specifications

**Enclosure:** Heavy-duty stainless steel enclosure on stand. Outdoor use designed. (H x W x D) 7.5 x 10.5 x 3.2 in / 190 x 265 x 80 mm

**Display:**

LCD: 0.8 inch / 20mm 7-segment, 6 digits with backlight.

LED: 0.56 inch / 14mm 7-segment, 6 digits.

**Analog to digital conversion rate:** 25 times per second

**Display update rate:** 8 times per second

**Peak detection:** 0.5 second events or longer

**Power:**

LED: 110/220 VAC 50/60 Hz – 10 ft (3 m) cord

LCD: Internal rechargeable battery and

120VAC wall charger, 6 ft (2.5 m) cord

**Approximate battery life (LCD only):** 20 hrs per charge.

**Operating temperature:** 14° to 104° F (-10° to 40°C)

**Warranty:** One year

### Indicator & Dillon Load Cell System

**Typical accuracy:** + 0.2% of load cell capacity

**Displayed resolution:** Typically configured to 5,000 divisions.

### More Indicator Specifications

(relevant for non-factory connected load cells)

**Load cell excitation:** +5 VDC drives up to four 350-ohm load cells

**Load cell signal:** single direction 0.2 mV/V to 3 mV/V range

**Displayed resolution:** Typically configured to 5,000 divisions.

Can display up to 50,000 divisions.

**Capacity:** Front-panel configurable for values from 1 to 199,999 lb

**Span range:** 0.2 to 3.5 mV/V

**Zero range:**  $\pm 0.2$  mV/V

**Linearity:** within 0.02% of full scale

**Cable connection:** watertight feed-through to main board terminals



Dillon also manufactures highly accurate tensiometers, mechanical dynamometers and crane scales.

## AUTHORIZED DISTRIBUTORS

**Ask the experts.** Dillon distributors offer complete service capabilities from application assistance to sales and product support. Their experienced representatives are the most knowledgeable experts that you will find in the force measurement industry. We recommend that you consult these capable specialists for all of your measuring needs.

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