

## Model LK

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### Digital Force Indicator



Model LK shown with optional handle. Visit our Web site for more information on optional handles.

#### DESCRIPTION

The Model LK Digital Force Indicator is a highly portable force measurement device. With its 9 V battery supply and compact size the indicator can easily be carried to remote locations to perform force measurement calibrations. The unit can measure forces in tension and compression over ranges up to 10000 lb. The peak capture feature allows the highest force reading taken to be displayed with the push of a button.

The remote location of the load sensor minimizes the chance of damage to the electronic body of the gauge. The stainless steel construction of the sensor and the indicator also make them resistant to the occasional mishandling than can occur in the field. Optional handles are available for the load cell and gauge.

Each unit has a membrane face with raised buttons and tactile feedback for setup and operation. The high, low, and clear buttons are easily accessible on this front membrane. Zero adjustment and zero offset/tare functions are standard on each unit. Calibration and setup parameters are stored on a memory chip to protect from loss even when power is interrupted. Unauthorized set ups and calibrations are also blocked with internal security. Various combinations of the front panel buttons can be de-activated.

#### FEATURES

- Ranges to 10000 lb
- Tension and compression measurement
- High and low force capture
- Zero offset/tare
- NIST traceable
- Optional carrying case and panel mounting ring
- Optional NEMA 4 rating
- Field selectable engineering units (lb, N, kN, g, kg)
- Customer recalibration

# Model LK

## PERFORMANCE SPECIFICATIONS

| Characteristic | Measure                                |
|----------------|----------------------------------------|
| Range          | See additional specifications table    |
| Accuracy       | 0.2 % <sup>1</sup>                     |
| Update speed   | 3 per second (selectable to 10/second) |

## ENVIRONMENTAL SPECIFICATIONS

| Characteristic         | Measure                                         |
|------------------------|-------------------------------------------------|
| Temperature, operating | -1 °C to 71 °C [30 °F to 160 °F]                |
| Rating                 | NEMA 2, std. (NEMA 4 optional except model LKT) |

## ELECTRICAL SPECIFICATIONS

| Characteristic           | Measure                                 |
|--------------------------|-----------------------------------------|
| Display                  | LCD, 4 1/2-digit, 1,3 cm [0.5 in] high  |
| Power supply, Model LKW  | 1 or 2 9-volt batteries (included)      |
| Power supply, Model LKT  | 110 volt ac adaptor @ 60 Hz (included)  |
| Power supply, Model LKV  | 11 Vdc to 32 Vdc @ 100 mA               |
| Electrical connection    | 0,9 m [3 ft] cable (std.) for model LKV |
| Low battery indication   | Standard on model LKW                   |
| Calibration data         | Stored on memory chip                   |
| Zero and span adjustment | Standard                                |

## MECHANICAL SPECIFICATIONS

| Characteristic | Measure         |
|----------------|-----------------|
| Case material  | Stainless steel |

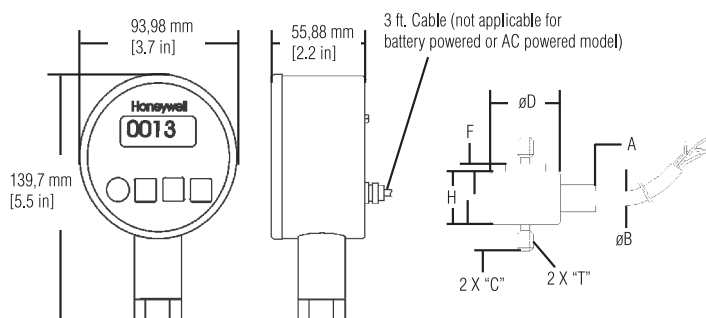
## ADDITIONAL SPECIFICATIONS

| Range (lb)                | 0 to 1 | 0 to 5 | 0 to 25 | 0 to 50 | 0 to 100 | 0 to 250 | 0 to 500 |
|---------------------------|--------|--------|---------|---------|----------|----------|----------|
| Incremental display steps | 0.001  | 0.005  | 0.02    | 0.01    | 0.02     | 0.05     | 0.1      |

| Range (lb)                | 0 to 1000 | 0 to 2000 | 0 to 3000 | 0 to 4000 | 0 to 5000 | 0 to 7500 | 0 to 10000 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Incremental display steps | 0.2       | 0.5       | 2         | 2         | 1         | 2         | 2          |

## MOUNTING DIMENSIONS AND CHARACTERISTICS

| Ranges (lb)      | T           | D                    | H                    | C                    | F                   | A                    | B                   |
|------------------|-------------|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------|
| 1 lb             | #6-32 UNC   | 25,4 mm<br>[1.00 in] | 19,5 mm<br>[0.75 in] | 6,4 mm<br>[0.25 in]  | 2,8 mm<br>[0.11 in] | 12,5 mm<br>[0.50 in] | 9,7 mm<br>[0.38 in] |
| 5 to 10 lb       | #6-32 UNC   | 25,4 mm<br>[1.00 in] | 11 mm<br>[0.45 in]   | 6,4 mm<br>[0.25 in]  | 1,3 mm<br>[0.05 in] | 7,9 mm<br>[0.31 in]  | 4,8 mm<br>[0.19 in] |
| 25 to 100 lb     | #10-32 UNF  | 25,4 mm<br>[1.00 in] | 13 mm<br>[0.52 in]   | 6,4 mm<br>[0.25 in]  | 0,8 mm<br>[0.03 in] | 12,5 mm<br>[0.50 in] | 6,4 mm<br>[0.25 in] |
| 250 to 1000 lb   | 1/4"-28 UNF | 25,4 mm<br>[1.00 in] | 13 mm<br>[0.52 in]   | 9,7 mm<br>[0.38 in]  | 0,8 mm<br>[0.03 in] | 12,5 mm<br>[0.50 in] | 6,4 mm<br>[0.25 in] |
| 2000 to 3000 lb  | 3/8"-24 UNF | 25,4 mm<br>[1.00 in] | 18 mm<br>[0.72 in]   | 12,5 mm<br>[0.50 in] | 0,8 mm<br>[0.03 in] | 12,5 mm<br>[0.50 in] | 9,7 mm<br>[0.38 in] |
| 4000 to 5000 lb  | 1/2"-20 UNF | 32,0 mm<br>[1.25 in] | 24 mm<br>[0.94 in]   | 16 mm<br>[0.63 in]   | 0,8 mm<br>[0.03 in] | 12,5 mm<br>[0.50 in] | 9,7 mm<br>[0.38 in] |
| 7500 to 10000 lb | 3/4"-16 UNF | 35 mm<br>[1.38 in]   | 28 mm<br>[1.10 in]   | 22 mm<br>[0.88 in]   | 0,8 mm<br>[0.03 in] | 12,5 mm<br>[0.50 in] | 9,7 mm<br>[0.38 in] |



## NOTES

1. Accuracies stated are for best fit straight line for all errors including linearity, hysteresis and repeatability through zero.
2. Consult factory for optional units of measure.
3. Consult factory for optional electrical connectors and cable lengths.

**Warranty.** Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

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Email inquiries to [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

### **WARNING** **PERSONAL INJURY**

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **WARNING** **MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

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