

**Model DFIS10**

## PRODUCT DESCRIPTION

These easy-to-use gauges offer full-featured digital precision and two-way data communication at an affordable price. All with the versatility to handle a wide range of force testing applications and requirements.

Rugged all-metal construction, lightweight design and a rechargeable NiCad battery let you use the DFIS on site at your production facility. Or, mounted on a CHATILLON test stand, the DFIS is perfect for the testing laboratory. The bi-directional RS232 interface allows full data transmission, peripheral gauge control, and the ability to interface with a CHATILLON TCD200 or TCD500 test stand. With easy push-button operation and its

## FUNCTIONAL SPECIFICATIONS

### Accuracy

$\pm 0.15\%$  of full scale  $\pm 1$  Least Significant Count

### Tare Capacity

10% of full scale in lb mode

### Full Scale Deflection

0.010-inch (0.254 mm)

### Internal Sampling Rate

1000 samples per second

### Communications

Bi-directional RS232, up to 80 data points per second transmission. User selectable baud rates from 300 to 19,200. Provides Mitutoyo output (modified BDC)

### Analog Output

0 to  $\pm 1.7$  Vdc full scale (approximate)

## CHATILLON® DFIS Series Digital Force Gauge

- ❑ **Economical, Easy-to-Use Digital Force Gauge**
  - Pushbutton Operation
  - Select lbs, kg or N units
  - Large, Easy-to-Read LCD Display
- ❑ **Accurate to  $\pm 0.15\%$  of Full Scale**
- ❑ **2 to 500 lb. Capacities (1 to 250kg)**
- ❑ **Sampling Rate of 1,000 per Second**
- ❑ **RS232 Serial Data Communications**
  - Selectable Baud Rates from 300 to 19.2K
  - Mitutoyo Output
- ❑ **Rugged, All-metal Construction**
- ❑ **Includes Stainless Steel Attachments**
  - Flat, Hook, Cone, Chisel, V-Notch and Extension Rod

internal sampling rate of 1000 samples per second, the DFIS gives you highly reliable, accurate results.

DFIS gauges are extremely easy to learn and use, utilizing a simple four-element keypad for all basic functions: peak value reset, peak value display, tare and selection of lb, kg or N units of measurement. The large 1/2" LCD displays current or peak test results, gauge settings and battery status. Each gauge comes with a removable load cell shaft, a set of stainless steel attachments (flat, hook, cone, chisel, v-notch and extension rod), battery charger, operation manual and cushioned carrying case.

**DFIS100 gauge shown with LTCM-6 test stand**

