

## FI-521 Force Indicator

The FI-521 is a bi-directional load cell instrument accepting both positive and negative load cell signals, internally performing the analog to digital conversion at 80 times per second. The FI-521 Indicator features a IP65 stainless steel enclosure for reliable performance in wet or dusty environments. Included swivel mounting bracket allows for wall or bench mounting. Watertight connections include the AC power cable, 7-pin load cell quick disconnect cable with connector and three additional cable ports. The instrument's 6 key front panel enables all setup, configuration and calibration procedures. FI-521's calibration procedures include a multi-point calibration feature for correcting the performance of non-linear load cells. The indicator has memory to store calibration information for up to three load cells.

The FI-521 can store peak and first peak values at 80 Hz. Operators can track stored data using date/time information and a 6-digit ID number. The stored data can then be printed or sent to a PC or other device using programmable print and data output formats. The FI-521's four logic level inputs and the bi-directional serial port can receive control commands from external devices. The instrument can control external devices via any of the two standard cutoff outputs. Also, has on board an analog output that is fully calibrated for 0 to 2.5 VDC.

System calibration is free when ordered with a Dillon Load Cell! See notes on load cell price list.

| Model  | Shipping Weight  | Part Number  | List Price |
|--|------------------|--------------|------------|
| FI-521 Indicator<br>with LED display, 115v AC 50/60 Hz,<br>real time clock, two serial port, four inputs,<br>two cutoff outputs, IP65 enclosure,<br>RS-485, 7-pin load cell connector<br>and analog output 0-2.5 VDC | 7.5 lb. / 3.4 kg | AWT05-506170 | \$720      |

### When calibrated with a Dillon Load Cell, accuracy is as follows

|                                      | S Beam | Z Cell | SGMT & SGMC |
|--------------------------------------|--------|--------|-------------|
| Typical System Accuracy (Full Scale) | ± 0.1% | ± 0.1% | ± 0.25%     |

### Cables and Other Accessories

| Cables   | Part Number                  | List Price                  |
|--|------------------------------|-----------------------------|
| <i>Loadcell-to-Indicator cable assemblies</i>                          |                              |                             |
| 6-ft loadcell cable assembly   | 26850-0212                   | \$95                        |
| 12-ft loadcell cable assembly  | 26850-0220                   | \$105                       |
| 18-ft loadcell cable assembly  | 26850-0238                   | \$125                       |
| 25-ft loadcell cable assembly  | 26850-0246                   | \$135                       |
| Additional loadcell cable  | <i>special</i>               | \$2 ft                      |
| 5-pin mating connector only ( <i>connects to loadcell connector</i> )  | 14407-0018                   | \$30                        |
| 7-pin mating connector only ( <i>connects to indicator connector</i> ) | 14407-0026                   | \$30                        |
| 10-ft serial cable, bare wire to 9-pin D style female                  | 47355-0028                   | \$115                       |
| <b>Remote Relay Boxes</b>  | <b>Mild Steel<br/>NEMA 4</b> | <b>Stainless<br/>NEMA 4</b> |
| 3 relays   | \$570                        | \$735                       |
| 5 relays   | \$1,255                      | \$1,655                     |
| 10 relays  | \$1,780                      | \$2,245                     |