

FI-521 LED

Load Cell Indicator

- 3 cell memory
- 80 Hz peak capture rate
- IP65
- 2 RS-232 serial ports
- RS-485
- 5 point curve linearization
- Built-in real time and date clock
- Units of measure:
kgf, lbf, Newton
- 2 set point outputs
- 7-pin load cell quick
disconnect (equipped)
- 4 remote keypad inputs
- Analog output



Specifications

Power Supply: Input 100 - 240 VAC, 50 - 60Hz internal mounted power supply with output of 12VDC at 2 amps

Display: 7 digits, 7-segment, 0.7" (17 mm) ultra-bright LEDs with 14 annunciators. Max display range -999,999 to 999,999. Display update rate 10Hz.

Keypad: 6 push buttons; select, cell, print, unit, zero, on/off

Environment

Working Temperature: -10° C to 40° C (14° F to 104° F)

Storage Temperature: -20° C to 70° C (-4° F to 158° F)

Humidity: 10 to 90% RH without condensation

Protection: IP65

Load Cell Drive Capacities

Excitation Voltage: 5VDC

Capacity: Drives up to eight 350-ohm load cells

Signal Connection: 4 or 6 lead load cells

Load Cell Input Range: -15mV to +15mV

Max Load Cell Output: 3mV/V

Communication

Serial Port 1: Full-duplex RS-232

Serial Port 2: Full-duplex RS-232 or half-duplex RS485

Baud Rate: Selectable 1200-2400-4800-9600-19200/38400-57600 bps

Data Output Format: 8N1, 7O1, 7E1

Serial Output: Select up to 14 additional data parameters

RS-485: 0-5VDC

Analog Output: 0 to 2.5VDC ($\leq 2.5\text{mA}$)

Remote Input: Select, cell, print, unit, zero, off

Setpoint 1 & 2: 5 to 24VDC (.5A max) external, 5 to 8VDC ($\leq .1\text{A}$) internal

Analog Circuit Characters

24-bit A/D converter

A/D Conversion Speed: Peak Force 80Hz; Live Force 10Hz

A/D Conversion: 1mV input will output 100,000 raw counts.

Hardware: low pass filter and 2 programmable digital low pass filters

Max Display Range: -999,999 to 999,999

Division Number Range: 100,000 divisions

Real Clock: Built-in nonvolatile real time & date

Other Main Functions

Programmable Zero Range

Programmable automatic zero point tracking

Programmable motion detection window

Programmable auto-power off time

Adjustable LED brightness

Units of Measure: kgf, lbf, Newton

Configurable serial output content

Two set point output with two data comparison points

Product Codes

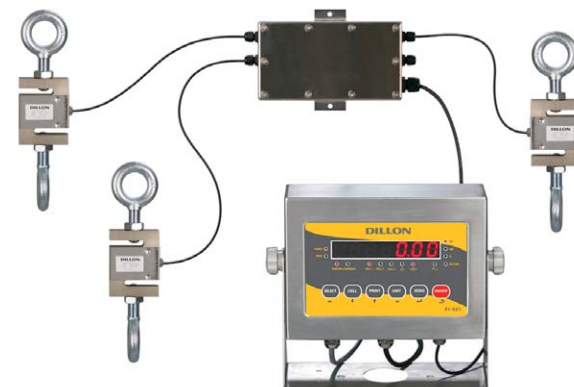
AWT05-506170 - US Version

AWT05-506171 - EU Version

AWT05-506172 - UK Version

Options

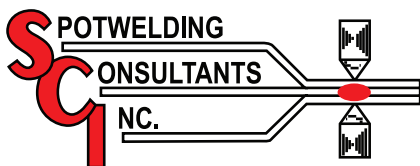
PCs, printers, remote displays



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



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



Contact SCI for additional information and pricing.
(888) 255-6780 toll free order line
(972) 475-0874 phone • (972) 475-5024 fax
4209 Industrial • Rowlett, Texas 75088