

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 2.5mA) Remote Input: Select,cell, print, unit, zero, off Setpoint 1 & 2: 5 to 24VDC (.5A max) external, 5 to 8VDC (\leq .1A) 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.