255

SENTRAN

PROCESS WEIGHT CONTROLLER

applications

- General Industrial Weighing
- Remote Measurements
- Inventory Monitoring
- Test & Measurement
- Process Control

features

- 23-Key Alpha-numeric Keypad
- Four Line Backlit LCD Display
- Analog Output Option
- 8 Solid State Relays Option
- 4 Momentary Remote Inputs Option
- Ethernet/Profibus DP Support Option
- RS232/485 Serial Interfaces
- Stainless Steel Enclosure Option
- Panel, Wall, Column, Desktop Mount
- Real Time Clock Calendar
- PC Configure Via *View* Software

SENTRAN, LLC
California Commerce Center
4355 Lowell Street
Ontario, CA 91761-2225

Toll Free: 1(888) 545-8988
Phone: 1(909) 605-1544
Fax: 1(909) 605-6305
Email: mail@sentranllc.com
URL: www.sentranllc.com

Ethernet   Bluetooth

The versatile 255 Digital Indicator can be used in a variety of applications ranging from general weight measurements to process control.

This multi-purpose digital indicator is perfect for the application that requires expanded control capabilities coupled with fast, accurate readout of measured values. The Model 255 can be configured via the 23-key keypad, through the bi-directional RS 232 port, or via the IR-Link with Sentran's *View PC* software. The large, backlit LCD display provides (4) lines of intelligent alphanumeric data to facilitate ease of setup and operation, and presentation of systematic data. Featuring the latest 24-bit Sigma-Delta A/D converter, and the *Linear Phase Response* FIR Digital Filtering Technology, displayed values of up to 100,000 digits makes very high resolution measurements more reliable than ever before! As a control interface or dedicated process controller, the 255 offers a 4-20mA/0-10VDC Analog Output Option, (8) Setpoints Option, (8) Solid-State Relays Option, and a (4) Momentary Contact Remote Inputs Option. Three assignable function keys can be configured to select Printing, Unit Switching, Counting, Manual Hold, Peak Hold and Totalizing (Accumulating). The Model 255 is DC powered (110-240 VAC power adapter module included). This multi-faceted indicator is adaptable to your specific mounting requirements, offering panel mounting, angled view desktop (Standard as shown above), or mounted on optional stainless steel brackets for universal mounting or column mounting.

Innovative Measurement Solutions

operator interface

Display:	Large LCD with LED backlight; Four (4) lines of data
Resolution:	100,000d display divisions (dd); min of 0.25uV/division
A/D Type and Response Time:	24-bit Sigma Delta A/D converter (8,000,000+ internal resolution); <10ms Response
Keypad:	Alpha-numeric; 23-key; (3) programmable function keys; Silicon rubber
Zero Range:	Selectable from ±2% to ±20% of F.S.
Units of Measure:	kg, lb, g, t, custom
Remote Input:	8; Momentary contact closure; For remote operation of assignable functions: Printing, Unit Switching, Counting, Manual Hold, Peak Hold and Totalizing (Accumulating)

function

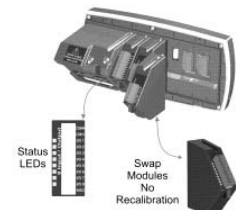|	
Power Requirements:	12-24 VDC; 110-240 VAC power adapter module included
Signal Connection:	4 or 6 lead (remote sense) plus shield
Bridge Excitation:	7.4 VDC; Powers (16) 350 ohm load cells

100% CUSTOMER SATISFACTION GUARANTEED

serial communications

Serial Ports:	Comm 1: RS232 bi-directional serial port; Comm 2[1]: RS232 bi-directional serial port or RS485

environmental

Operating Temperature:	-10 to +50°C (14 to 122°F)
Enclosure Material:	ABS plastic housing; Silicon rubber keypad
Sealing Rating:	NEMA 12; IP65
Mounting:	Desktop; Panel[1]; Wall bracket[1]; Column bracket[1]
Weight/Dimensions:	Standard: 3 lbs.; Measures: 9.69"(L) X 4.92"(W) X 4.77"(H)

Status LEDs — Swap Modules No Recalibration

options & accessories [1]

Analog Output:	4-20 mA or 0-10 VDC; Opto-isolated; Internal BUS mounted
Output Relay PCBA:	8 relays; solid state; 3 amp/240 VAC; External Din rail mount w/ input terminal
Digital I/O:	8; TTL; Input or output; Opto-isolated
Remote Input Module:	4; Momentary contact closure (switch)
Serial Interface Modules:	RS232 Bi-directional/RS232 Transmit only; RS485 Full duplex/RS485 Half duplex; BUS mounted
Link Communication Cable:	IR (InfraRed) communication cable; For direct connection to standard PC RS232 port
Ethernet Module:	RJ45 Connection; 10/100 Base TX w/ Auto Negotiation; DHCP Client; HTTP Server for setup
Mounting:	Panel Kit (ABS plastic or stainless steel); Universal wall bracket kit; Column bracket kit
AC Power Supply Adapter:	100-240 VAC switching power supply (One included with indicator)
Documentation:	Operator manual and Quick Start Manual (One each included with indicator); Technical Manual
Warranty:	2 Year Limited

dimensions

Back View — 246 — 121.1.

Side View With Boot and Stand — 140 — 45°

Side View — 125 — 90