SENTRAN

Counting Scale

applications

- Inventory Management
- Manufacturing/Warehouse
- Material Handling
- Quality Checking
- Parts Verification and Checking

features

- 15, 30, 60, 100 lb. Capacities
- Aluminum Die Cast Housing
- Battery Operation Available
- Negative Counting
- Network Fieldbus Modules
- Database Modules
- Quick Change Load Cell
- Process Control Modules

From simple counting to more advanced operations, the 675 Counting Scale can accommodate numerous applications to simplify operator interaction.

Exceptional design and outstanding features are what set the 675 series counting scale apart from others in its class. Precision counting is guaranteed with 1,000,000 internal count resolution and a stable 30,000 count displayed resolution. The scales accuracy is assured with advanced digital Finite Impulse Response filtering (FIR), high resolution electronics and a center indentation that places parts in the center of the loading surface to protect against rolling. Its simple operation reduces counting errors and leads the operator through every keystroke.

The scale features a durable aluminum die cast housing and a high impact lens that deflects dropped parts. In addition, the 675 series has a one million cycle polymetric keypad and Sur-Grip gear style leveling feet, further enhancing its reliability and durability. This versatile scale is also mobile by design. The integrated carrying handles, power cord wrap and heavy duty aluminum die cast housing and top support are ideal for industrial applications requiring portability (optional battery required for portable convenience).

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Innovative Measurement Solutions

specifications & options

SENTRAN

specifications

performance

Resolution	1,000,000d
A/D Filtering	GSE FIR (Finite Impulse Response)
Non-Linearity	0.005% of full scale, load cell dependent
Number of Scales	Standard 1 local platform, 1 Remote Platform Input, Total 4 scales with installation of Multi-Scale Modules
Excitation Power	14—350 ohm load cells
Input Signal Connect	4 or 6 conductors with sense leads
Excitation Current	40mA, short circuit protected
Excitation Voltage	10 VDC, short circuit protected
Time/Date Clock	Non-volatile, battery backed
Database Memory	8K standard, expandable up to 2M (optional)
Warranty	2 year limited
Capacities	15, 30, 60, 100 lb

electrical

Power Requirements	90-250 VAC, 10-32 VDC
Fuse	0.8A slow-blow (when using AC power)

communications

Port 1	RS 232 Full Duplex, SW & HW Handshake or RS 485 or 20mA optional
Port 2	RS 232 Full Duplex, SW & HW Handshake
Port 3, 4	RS 232 Full Duplex, SW Handshake. Use of PC Keyboard disables port 4. Use of Ethernet Module disables port 3.
Protocols	Modbus RTU and ASCII standard. Ethernet optional, Baud Rate 150-115K bps (Com Port 1 only). 150-38.4K bps (Com Port 2, 3, 4)

physical

Keypad	Durable Polymeric membrane switch plate
Housing Material	Die cast aluminum with powder coat paint
Enclosure Dimensions	14.38″ W (at handles) x 17.30″L x 5.63″H
Counting Surface	12″x12″, Stainless Steel
Display	16 line x 40 character EDT LCD graphic display with white LED backlight
Shipping Weight	24 lbs

options

Multi-Scale Module	Additional scale inputs, 2 scale operation standard, total of 4 scales possible.
Database Module	Provides additional memory for data management functions, 256K, 1M, or 2M Byte.
Battery Operation	18 or 40 Hour NiMH Battery Module (continuous use) includes quick charge circuit.
Computer Keyboard Module	Provides a connection for a standard computer keyboard to Model 675, includes 2 additional RS232 communication ports for a total of 4 RS232 ports, ports 1 and 2 are standard.
RS485 Module	Isolated multi-drop w/251 devices max, half or full duplex up to 4000 feet, 115K bps max.
20mA Current Loop	Isolated TX-Active or Passive, RX-Passive, 9600 bps max, 12VDC, 1000 feet.
Ethernet Module	Supports DHCP servers or fixed IP addresses and Telnet protocol with selectable port address.
Profibus Module	Connects to the network device layer in a trunkline configuration.
DeviceNet Module	Connects as a slave device on the network line.
ReFlash	Download firmware enhancements via RS232 port
Analog Output Module	16 bit signal output, 0-10VDC, 0-20mA or 4-20mA
I/O Relays	AC/DC @1A, Optically Isolated

100% CUSTOMER SATISFACTION GUARANTEED