

882D Belt Scale Integrator



Standard Features

- LCD display, seven-digit, seven-segment weight display, 3 x 20 pixelated prompt area
- RS-232 or RS-485 serial port
- USB device port connects directly to a PC
- Ethernet TCP/IP polled or continuous
- AC or DC models
- Hardware slot for two option card
- Operator functions through menu key for audit trail, preset tare, accumulator, time & date and setpoints
- Audit trail tracking for configuration and calibration changes. Password protection for user and configuration changes.
- Setpoints for control and alarms
- Four onboard digital I/O channels
- Four programmable ticket formats up to 1,000 characters
- Filter settings for light, medium and heavy noise
- Speed inputs

Specification Options

Analog Output:

16-bit resolution, 0-10 VDC, 0-20 mA, 4-20 mA

Relay Board:

Four dry contact relays; DC Max: 30 VDC at 3 amps
AC max: 250 VAC at 3 amps per contact

EtherNet/IP Interface:

According to EN 50325-2

Profinet Interface:

According to IEC 61784 (CPF-3/3)

Modbus/TCP Interface:

Up to 8 bytes of I/O data, 100 Mbps full duplex Ethernet

DeviceNet Interface:

According to EN 50325-2

Profibus DP Interface:

According to EN 50170

EtherCAT

According to IEEE 802.3

Digital I/O

24 channel I/O expansion boards available

Approvals



Specifications: 882D Integrator for Power:

Power:

Input voltages: 100-240 VAC; 9-36 VDC
Input frequency: 47-63 Hz

Power Consumption:

AC: 15 watts; DC: 20 watts

Excitation Voltage:

10 VDC 8 x 350 Ω (16 x 700 Ω) load cells

Analog Signal Input Range:

-45 mV to 45 mV

Analog Signal Sensitivity:

0.3 μV/graduation minimum at 7.5 Hz;
1.0 μV/graduation typical at 120 Hz

Sample Rate:

7.5 to 120 Hz, software selectable

Resolution:

Internal: 8 million counts 23 bit weight display: 100,000

System Linearity:

± 0.01% full scale

Digital I/O:

Four I/O onboard primary keys, pseudo functions, batching functions

Circuit Protection:

18 KV, 10 V/meter

Communication Ports:

RS-232 full duplex or RS-485 half duplex; USB micro A/B connector 2.0; Ethernet TCP/IP

Pulse Input:

Dual inputs for redundancy

Display:

LCD display, seven-digit, seven-segment weight display, 3 x 20 pixelated prompt area

Status Annunciators:

Load, total, rate, speed, zero

Keyboard:

Flat membrane panel, tactile feel

Operating Temperature:

Industrial: 14° F to 122° F (-10° C to 50° C)

Dimensions (W x H x D):

Universal: 9.87 x 9.38 x 4.33

Weight:

Universal: 12 lb (5.4 kg)

Rating:

IP66

Material:

Universal: stainless steel

Warranty:

Two-year limited warranty

Approvals:

CE Marked (pending)
UL/c-UL Listed (pending)

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Part Number/Price

Part #	Description	Price
Integrators		
177708	120 VAC	\$1,700.00
180847	220 VAC Euro power cord	\$1,700.00
184683	9-36VDC	\$1,825.00

Options/Accessories

Part #	Description	Price
Options		
164684	1280 option, digital I/O	\$300.00
165366	1280 option, single analog out	\$350.00
179157	Relay board, four dry contact outputs	\$300.00
164689	1280 option, relay interface	\$400.00
Network Cards		
165792	1280 option, Ethernet/IP	\$550.00
165793	1280 option, DeviceNet	\$550.00
165794	1280 option, ProfiNet	\$550.00
165795	1280 option, Profibus	\$550.00
165796	1280 option, Modbus TCP	\$550.00
179533	1280 option, EtherCAT	\$550.00

Please complete the Belt Scale Application on page 177 to obtain a quote