

# 882D Integrator

Belt/Bulk Material Instrumentation



## Approvals



## Standard Features

- LCD display
- Hardware slot for two option cards
- Operator access to audit trail, preset tare, accumulator, time and date and setpoints through menu keys
- Password-protected audit trail tracking for configuration and calibration changes
- Setpoints for control and alarms
- Four onboard digital I/O channels
- Filter settings for noise
- Speed inputs

## Part Number/Price

Part #	Description	Price
<b>Integrators</b>		
177708	120 VAC	Consult
180847	220 VAC Euro power cord	Consult
184683	9 to 36 VDC	Consult

## Options/Accessories

Part #	Description	Price
190527	Digital I/O	Consult
190528	Single analog	Consult
190529	Relay interface, not for totalizer pulse count output	Consult
177850	Panel mount option 880	Consult
197724	Overlay, clear protective	Consult
<b>Network Cards</b>		
190530	EtherNet/IP™	Consult
190531	DeviceNet®	Consult
190532	PROFINET	Consult
190534	PROFIBUS®	Consult
190533	Modbus TCP/IP	Consult
190535	EtherCAT	Consult

Please complete the Belt Scale Questionnaire on page 157 to obtain a quote

## Specifications

### Power

Input voltages: 100 to 240 VAC; 9 to 36 VDC  
Input frequency: 50/60 Hz

### Power Consumption:

AC: 15 watts; DC: 20 watts

### Excitation Voltage:

10 VDC 8 × 350 ohm (16 × 700 ohm) 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: 8,000,000 counts 23-bit  
Display: 100,000

### System Linearity:

± 0.01% full scale

### Digital I/O:

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

### Communication Ports:

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

### Pulse Input:

Dual inputs for redundancy  
12 VDC

### Display:

LCD display, 0.8 in, seven-digit, seven-segment  
weight display, 3 × 20 pixelated prompt area

### Annunciators:

Load, total, rate, speed, zero

### Keys/Buttons:

Flat membrane panel, tactile feel

### Temperature:

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

### Dimensions:

(L × W × H)  
9.93 × 4.00 × 8.94 in

### Weight:

12 lb (5.4 kg)

### Rating/Material:

IP66  
Stainless steel

### Warranty:

Two-year limited

### EMC Immunity:

18 KV, 10 V/m

### Approvals:

cULus Listed  
CE Approved  
UKCA

## Dimensions

882D Belt Scale Integrator			
A	9.93 in (252 mm)	F	0.63 in (16 mm)
B	8.10 in (206 mm)	G	4.31 in (110 mm)
C	6.50 in (165 mm)	H	4.14 in (105 mm)
D	8.94 in (227 mm)	I	4.32 in (110 mm)
E	0.68 in (17 mm)		

