NEW 680 Synergy Series Digital Weight Indicator

Replacement for 10355/420 Plus



Standard Features

- · Bright seven-digit, seven-segment LED display
- · Battery backed time and date
- · Full numeric keypad
- Three serial ports: two RS-232, one full duplex RS-485
- · Numeric keyed entry allowed for tare and setpoint entry
- · Formattable tickets
- Ethernet TCP/IP
- USB device
- Stainless steel IP69K enclosure
- · Four onboard configurable digital I/O points, TTL logic

Options

Analog output: 16-bit resolution, 0-10VDC, 0-20mA, 4-20mA











Specifications

Power:

Line voltages: 100-240 VAC Frequency: 50-60 Hz

Power consumption: ~2W (AC) with one 350 ohm load cell, 15W max

Excitation Voltage: 10 VDC (± 5 VDC), 8 x 350 Ω or 16 x 700 Ω load cells

Analog Output (optional): Type: Voltage or current output, 16-bit resolution Voltage Output:

0-5 VDC, 0-10 VDC,+/- 5 VDC, +/- 10 VDC Voltage Load Resistance:

1 KΩ minimum **Current Output:** 0-20 mA, 0-24 mA, 4-20 mA **Current Loop Resistance:** 1,000Ω maximum

Analog Signal Input Range: -0.5 mV/V to +7 mV/V

Analog Signal Sensitivity: 1 µV/graduation recommended

A/D Sample Rate: 6.25-120 Hz, software selectable

Resolution: Internal: 8.000.000 counts Display: 1,000,000

System Linearity / PI Rating: Within 0.01% full scale

Digital I/O: Four configurable I/O - 5V logic

Communication Ports: Two RS-232 full duplex RS-485 full duplex USB (device)

Ethernet (10/100) Status Annunciators: **Eight LED annunciators**

Display: Seven 0.8 in tall, seven-segment digits **Keys/Buttons:**

Flat membrane panel, tactile feel (18 buttons plus ON/OFF)

Temperature Range Legal: 14°F to 104°F (-10°C to 40°C) Industrial: 14°F to 122°F (-10°C to 50°C)

Weight: 6.25 lb (3 kg)

Rating/Material:

Rating: IP69K Material: AISI 304 Stainless Steel

Warranty:

Two-year limited warranty

EMC Immunity: 10 V/m

Approvals:

NTEP CC 12-123, Class III/IIIL, 10,000d Measurement Canada AM-5892, Class III/IIIHD, 10,000d OIML R76/2006-A-NL1-19.56 UL/cUL Listed CE Marked





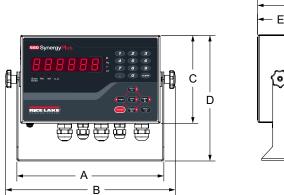




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Part Number/Price

Part #	Description		Est. Weight	Price
193152 <i>†</i>	680 Plus indicator, LED display, 115-230 US power cord	30 Plus indicator, LED display, 115-230 VAC, S power cord		
193153 ††	680 Plus indicator, LED display, 115-230 EU power cord	Plus indicator, LED display, 115-230 VAC, bower cord		
196326 ###	680 Plus indicator, LED display, 115-230 UK power cord	7 lb	Consult	
196327 ++++	680 Plus indicator, LED display, 115-230 AUS power cord	7 lb	Consult	
With Analog	Output Card			
195176 <i>†</i>	680 Plus indicator, LED display, 115-230 VAC with analog output card, US power cord		7 lb	Consult
195177	680 Plus indicator, LED display, 115-230 with analog output card, EU power cord	7 lb	Consult	
196539 +++	680 Plus indicator, LED display, 115-230 with analog output card, UK power cord	7 lb	Consult	
196538 ++++	680 Plus indicator, LED display, 115-230 with analog output card, AUS power core	7 lb	Consult	
	+ US plug (NA) - Type B	+ Euro	Plug - Type E	
	t†† BS1363 (UK) - Type G	++++ AS	5 3112 (Austra	alian) - Type I



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INDICATORS / CONTROLLERS

Dimensions

	Dimensions				
Α	10.02 in (254.5 mm)	D	8.57 in (217.6 mm)		
В	11.58 in (294.1 mm)	Е	3.40 in (86.3 mm)		
С	6.00 in (152.4 mm)	Е	4.05 in (26.67 mm)		

Options/Accessories

Part #	Description	Price	
195084	Analog output option card	Consult	
To have your option factory installed, please specify when placing your order			

To have your option factory installed, please specify when placing your order.