



Sloped face model shown



## APPROVALS



## SPECIFICATIONS

### POWER:

Line voltages: 115 or 230 VAC  
 Frequency: 50 or 60 Hz  
 Power consumption: -100 mA @ 115 VAC (11.5 W)  
 50 mA @ 230 VAC (11.5 W)

### LOAD CELL EXCITATION:

10VDC, 8 x 350Ω load cells or 16 x 700Ω load cells

### ANALOG SIGNAL INPUT RANGE:

-0.5 – 4.5 mV/V (max)

### RESOLUTION:

Internal resolution: - More than 1 million internal graduations  
 External resolution: -100,000 displayed graduations

### MEASUREMENT RATE:

30, 15, 7 1/2, 3 3/4 per second

### ANALOG SIGNAL SENSITIVITY:

.3μV with digital filters at 4

### SERIAL PORTS:

Two ports, RS-232, full duplex. EPD Port has an additional RS-485 transceiver; RS-485 is used if an RS-485 address is configured. Printer Port simplex also has a 20 mA active transceiver

### CIRCUIT PROTECTION:

RFI, EMI, ESD protection

### SYSTEM LINEARITY:

Within 0.01% of FS

### DIGITAL INPUTS/OUTPUTS:

8 digital inputs, 8 digital open collector outputs

### DISPLAY:

Large 0.75 in (19 mm) Vacuum Fluorescent Display (VFD), 7-digit, 2 unit descriptors, 16 5x7 VFD dot matrix secondary display

### KEYBOARD:

Full 29-key alphanumeric flat membrane panel

### OPERATING TEMPERATURE:

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

### RATING/MATERIAL:

NEMA 4X/IP66, stainless steel

### WEIGHT:

Sloped: 7.4 lb (3.3 kg)  
 Flat: 7.8 lb (3.5 kg)

### APPROVALS:

NTEP - certified at 10,000 Divisions, Class III/III, CC#98-081;

Measurement Canada approved, AM-5253, Class III/IIIHD, III at 10,000 Divisions and IIIHD at 20,000 Divisions;

OIML approved, TC5678 rev. 1

CE marked

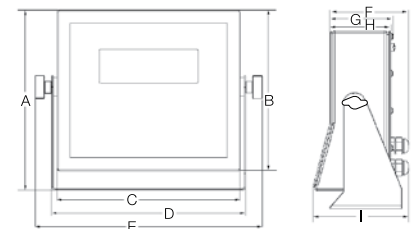
UL & C-UL listed

### WARRANTY:

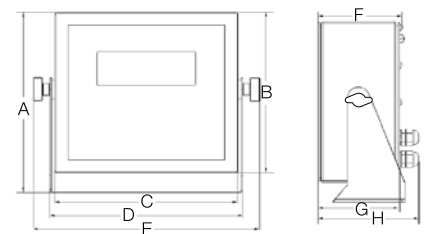
Two-year limited warranty

## STANDARD FEATURES

- Stainless steel NEMA 4X/IP66 washdown enclosure
- Large 0.75 in (19 mm) Vacuum Fluorescent Display (VFD) with 16 characters for operator prompting
- Selectable analog to digital measurement rate
- Five-point linearization calibration
- Four macros, 30 steps each, ability to interconnect macros with setpoints (macro can start batch setpoints)
- Eight digital inputs plus eight digital outputs
- 60 16-character/programmable fields for display prompts
- Power for eight 350Ω load cells or 16, 700Ω load cells
- Expanded 29-key alphanumeric keyboard
- Full alphanumeric keyboard for entering truck ID, numbering, prompts and more
- 300-ID truck in/out programs (six modes), seven characters
- Batching and continuous mode setpoint functions
- Programmable consecutive numbering
- Two communication ports: (1) EDP port, full duplex RS-232 or RS-485, (1) printer port, simplex RS-232 or 20 mA
- Operate, configure, and calibrate via two interfaces: front panel (keyboard and display) or EDP serial command port (RS-232, RS-485)
- Six 300-character programmable output formats, independent transmission to EPD or printer port
- 300-character alphanumeric "title block" for custom printouts
- Completely menu driven
- Angled/sloped keypad for user comfort
- Time and date
- Accumulator



SLOPED FACE DIMENSIONS			
<b>A</b>	9.88 in (250 mm)	<b>F</b>	4.07 in (103 mm)
<b>B</b>	8.38 in (212 mm)	<b>G</b>	3.30 in (83 mm)
<b>C</b>	9.50 in (241 mm)	<b>H</b>	3.15 in (80 mm)
<b>D</b>	10.02 in (254 mm)	<b>I</b>	4.95 in (125 mm)
<b>E</b>	11.78 in (299 mm)		



FLAT FACE DIMENSIONS			
<b>A</b>	9.88 in (250 mm)	<b>E</b>	11.78 in (299 mm)
<b>B</b>	8.38 in (212 mm)	<b>F</b>	4.36 in (110 mm)
<b>C</b>	9.50 in (241 mm)	<b>G</b>	4.25 in (107 mm)
<b>D</b>	10.02 in (254 mm)	<b>H</b>	5.25 in (133 mm)

<b>PART #</b>	<b>DESCRIPTION</b>	<b>EST. SHIP WEIGHT</b>
44545.....	IQ plus 710, 115 VAC, sloped face†	10 lb
44544.....	IQ plus 710, 230 VAC, sloped face†	10 lb
45527.....	IQ plus 710, 115 VAC, flat face, deep enclosure†	10 lb
45528.....	IQ plus 710, 230 VAC, flat face, deep enclosure†	10 lb
52052.....	IQ plus 710, 230 VAC, CE marked/OIML approved, sloped face††	10 lb
52051.....	IQ plus 710, 230 VAC, CE marked/OIML approved, flat face, deep enclosure††	10 lb

**OPTIONS/ACCESSORIES**

43381.....	Analog output: selectable 0-10V, 4-20 mA	
45408.....	4-channel internal relay board, relays sold separately (requires two for eight relays)	
45410.....	Panel mount kit** (flat face only)	
78445.....	NEMA 4X panel mount kit (flat face only)	
19369.....	Batching start/stop switch box	
77925.....	Revolution™ III scale software*	
64505.....	Additional operating manual	
83568.....	Clear protective overlay (package of five)	
92777.....	Filter, PreVent™ vent kit	
45409.....	Allen-Bradley Remote I/O interface (internal)	
49976.....	Profibus DP interface (internal)	

**Primary Component Parts**

64956.....	Board assembly, 115 VAC	
64960.....	Board assembly, 230 VAC	
41386.....	Switch panel membrane	
45484.....	160 mA TR5 subminiature fuses, 115 VAC	
45107.....	80 mA TR5 subminiature fuses, 230 VAC	

**I/O relay modules sold separately**

15969.....	G4IDC5 10-32VDC Input relay module, white (N/O)	
15970.....	G40DC5R Dry contact 100VDC/1.5A output, red (N/O)	
22848.....	G40DC5R5 Dry contact 100VDC/1.5A output, red (N/C)	
15971.....	G40AC5 115 VAC Output relay module, black (N/O)	
15972.....	G4IAC5 115 VAC Input relay module, yellow (N/O)	
22847.....	G40AC5A5 115/230 VAC Output relay module, black (N/C)	
36632.....	G40AC5A 115/230 VAC Output relay module, black (N/O)	
36631.....	G4IAC5A 230 VAC Input relay module, yellow (N/O)	
16478.....	Quencharc arc supressor	

\* Revolution III can be downloaded for FREE at [www.ricelake.com](http://www.ricelake.com)

\*\* Panel mount kit is not NEMA rated

