



Panel mount

Desktop



APPROVALS



SPECIFICATIONS

POWER:

Line voltages: 115 or 230 VAC
 Power consumption: 200 mA @ 115 VAC
 160 mA @ 230 VAC
 Frequency: 50 or 60 Hz

EXCITATION VOLTAGE:

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

ANALOG SIGNAL INPUT RANGE:

0.3 mV/V – 4 mV/V

ANALOG SIGNAL SENSITIVITY:

0.3 μV/graduation @ 7.5 Hz,
 1.5 μV/graduation @ 120 Hz

A/D SAMPLE RATE:

7.5 – 120 Hz, software selectable

RESOLUTION:

Internal resolution: Approximately 8 million counts
 Display resolution: 100,000 dd

SYSTEM LINEARITY:

0.01% of full scale

DIGITAL I/O

Digital inputs: 3 inputs, TTL or switch closure, active-low
 Digital outputs: 4 outputs, current limited with TTL pull-up

UPDATE RATE:

60 times/seconds

CIRCUIT PROTECTION:

RFI, EMI, ESD protection

SERIAL OUTPUT:

EDP port: Full duplex RS-232 or RS-485
 Printer port: Full duplex RS-232 or active 20 mA current loop output, 2 wire
 Both ports: 300 to 19,200 bps; 7 or 8 data bits; even, odd or no parity

DISPLAY:

Vacuum Fluorescent Display (VFD), 7-digit, 14-segment primary weight display. 2 character unit descriptions
 16-character dot matrix display for additional symbols, user prompts

KEYBOARD:

5-key membrane panel, tactile feel

OPERATING TEMPERATURE:

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

WEIGHT:

6 lb (2.7 kg)

RATING/MATERIAL:

NEMA 4X/IP66 exterior panel surface, stainless steel (panel mount only)
 Non-NEMA, painted steel (desktop)

APPROVALS:

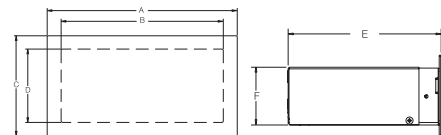
NTEP - certified at 10,000 Divisions, Class III/III, CC# 01-087
 Measurement Canada approved, AM-5425; Class III/III HD at 10,000 divisions
 OIML at 10,000 divisions (GB-1160)
 Desktop CUL listed
 Panel mount RU recognized
 CE marked

WARRANTY:

Two-year limited warranty

STANDARD FEATURES

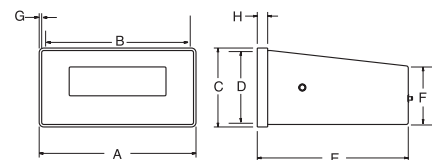
- 0.75 in (19 mm), seven-digit Vacuum Fluorescent Display (VFD)
- 16-character 0.25 in (6.3 mm) VFD prompting display
- Eight configurable operator prompts
- Three digital inputs and four digital outputs
- Selectable A/D measurement rates up to 120/second
- Two communication ports:
 EDP port—full duplex, RS-232 and RS-485
 Printer port—full duplex, RS-232 or 20 mA current loop
- Five programmable ticket formats for Gross, Net, Setpoints, Count, and EDP format
- Eight setpoint kinds
- Programmable stream print format
- Time and date
- Push-button or scrolled tare entry
- Over/accept/under checkweigh mode
- Front panel or serial configuration/calibration
- Five point linearization calibration
- Millivolt calibration
- Gravitational compensation calibration
- Power for eight 350 Ω load cells or 16, 700 Ω load cells**
- Expansion port for option card
- Key functions: zero, gross/net, tare, units, print
- Desktop model with panel mount kit can be mounted in existing UMC2000 cutouts
- Peak hold
- Accumulator



DIMENSIONS - PANEL MOUNT

A	7.36 in (186.9 mm)	D	2.84 in (72.1 mm)
B	6.22 in (157.9 mm)	E	7.35 in (186.6 mm)
C	3.88 in (98.5 mm)	F	2.75 in (69.8 mm)

Dashed line represents cutout in panel



DIMENSIONS - DESKTOP

A	7.55 in (191.7 mm)	E	7.27 in (184.6 mm)
B	7.34 in (186.4 mm)	F	2.75 in (69.8 mm)
C	3.80 in (96.5 mm)	G	0.12 in (3.05 mm)
D	3.56 in (90.4 mm)	H	0.50 in (12.7 mm)

** Option cards reduce the number of load cells that can be powered

(Specifications continued on next page)

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
115 VAC			
68715.....	520 panel mount*, stainless steel	7 lb	Consult factory
100386.....	520 panel mount* (68715) with analog output (78068)	7 lb	Consult factory
100387.....	520 panel mount* (68715) with DeviceNet (78290).....	7 lb	Consult factory
100389.....	520 panel mount* (68715) with A-B remote I/O (78371).....	7 lb	Consult factory
100392.....	520 panel mount* (68715) with Ethernet IP (93010)	7 lb	Consult factory
103206.....	520 panel mount* (68715) with Ethernet TCP/IP (77205)	7 lb	Consult factory
79734.....	520 desktop, painted steel with panel mount†	7 lb	Consult factory
70153.....	520 desktop, painted steel with tilt stand†	7 lb	Consult factory
100396.....	520 desktop (70153) with Analog output (78068)†.....	7 lb	Consult factory
100397.....	520 desktop (70153) with Ethernet IP (93010)†	7 lb	Consult factory
96969.....	520 desktop (70153) with Ethernet TCP/IP (77205)†	7 lb	Consult factory
230 VAC			
71873.....	520 panel mount*, stainless steel.....	7 lb	Consult factory
71876.....	520 desktop, painted steel w/USA 3-pin plug†	7 lb	Consult factory
79735.....	520 desktop, painted steel with panel mount†	7 lb	Consult factory
230 VAC for Europe			
71868.....	520 panel mount*, stainless steel.....	7 lb	Consult factory
71869.....	520 desktop, painted steel w/Euro 2-pin plug††	7 lb	Consult factory
79736.....	520 desktop, painted steel with panel mount††	7 lb	Consult factory

OPTIONS/ACCESSORIES

78068.....	Analog output: selectable 0-10V, 0-20mA, 4-20mA	Consult factory
77205.....	Ethernet TCP/IP 10 Base-T module	Consult factory
65383.....	Ethernet TCP/IP 10 Base-T module (external).....	Consult factory
93010.....	Ethernet/IP (internal) for A-B PLC.....	Consult factory
104011.....	ControlNet Interface (modified enclosure, side access).....	Consult factory
78290.....	DeviceNet™ interface	Consult factory
78371.....	Allen-Bradley Remote I/O interface	Consult factory
78305.....	Profibus® DP interface	Consult factory
68386.....	BCD output	Consult factory
78433.....	Wall mount bracket (desktop).....	Consult factory
78425.....	Panel mount kit, UMC2000 replacement (desktop)	Consult factory
15436.....	Power cord, NEMA 5-15 plug pattern (panel mount).....	Consult factory
105382.....	Power cord, CEE 7/7 plug pattern (panel mount)	Consult factory
77925.....	Revolution® III scale software*	Consult factory
68973	Additional operating manual.....	Consult factory
83567.....	Clear protective overlay for panel mount (package of five)	Consult factory
92777.....	Filter, PreVent™ vent kit.....	Consult factory

Relay Products Can Be Found on Page 39

Primary Component Parts

75063.....	CPU board, 115 VAC	Consult factory
75064.....	CPU board, 230 VAC, fused for USA.....	Consult factory
75065.....	CPU board, 230 VAC, fused for Europe.....	Consult factory
69024.....	Display board.....	Consult factory
68718.....	Membrane switch panel (panel mount).....	Consult factory
77198.....	Membrane switch panel (desktop)	Consult factory

* Revolution III can be downloaded for FREE at www.ricelake.com

* Does not include power cord

