



Panel mount

Desktop



STANDARD FEATURES

- 0.75 in (19mm), seven-digit Vacuum Fluorescent Display (VFD)
- 16-character 0.25 in (6.3mm) 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 20mA 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 350Ω load cells or 16, 700Ω 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

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:

10VDC, 8 x 350Ω or 16 x 700Ω 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 20mA 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:

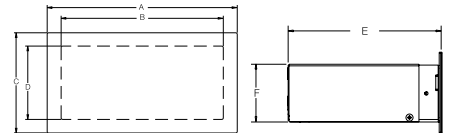
NEMA 4X/IP66 exterior panel surface, stainless steel (panel mount only)
 Non-NEMA, painted steel (desktop)

APPROVALS:

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

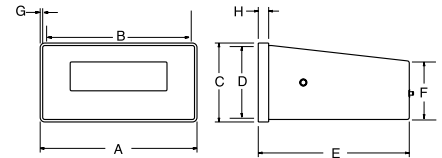
WARRANTY:

Two-year limited warranty



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

OPTIONS/ACCESSORIES

78068.....	Analog output: selectable 0-10V, 0-20mA, 4-20mA	
77205.....	Ethernet TCP/IP 10 Base-T module	
65383.....	Ethernet TCP/IP 10 Base-T module (external)	
93010.....	Ethernet/IP (internal) for A-B PLC	
104011.....	ControlNet Interface.....	
78290.....	DeviceNet™ interface	
78371.....	Allen-Bradley Remote I/O interface	
78305.....	Profibus® DP interface	
68386.....	BCD output	
78433.....	Wall mount bracket (desktop).....	
78425.....	Panel mount kit, UMC2000 replacement (desktop)	
15436.....	Power cord, NEMA 5-15 plug pattern (panel mount).....	
44679.....	Power cord, CEE 7/7 plug pattern (panel mount)	
15438.....	Power cord, NEMA 5-15 plug pattern (desktop).....	
72512.....	Power cord, CEE 7/7 plug pattern (desktop).....	
77925.....	Revolution™ III scale software*	
68973	Additional operating manual.....	
83567.....	Clear protective overlay for panel mount (package of five)	
92777.....	Filter, PreVent™ vent kit.....	

Primary Component Parts

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

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

* Does not include power cord

