

CONDEC™ UMC600

Digital Weight Indicator



Standard Features

- Surge protection board
- Auto/manual batching modes
- 80,000 display graduations available
- RFI/EMI shielded
- Easy digital configuration and calibration
- Four control inputs/outputs
- Truck in/out weighing mode, 300 truck ID storage
- One 10-digit accumulator
- 5-point linearization
- Keyboard customized serial output
- Time and date
- Front panel key lockout
- Temperature compensated - 18°F to 104°F (-10°C to 40°C)

Approvals



Measurement
Canada
Approved

Specifications

EXCITATION VOLTAGE:

10 VDC, fixed, short-circuit proof
Load cell current:
240 mA maximum (8 350Ω load cells)

ANALOG SIGNAL INPUT RANGE:

0.7 mV/V - 2.0 mV/V "high span"
1.7 mV/V - 3.2 mV/V "low span"

CONVERSION RATE AT FULL SCALE:

10 updates per second, no
averaging

RESOLUTION:

10,000 displayed graduations,
expanded 80,000 (max.)
100,000 internal graduations

DISPLAY:

6-digit, 0.6" (15.2 mm) red Light
Emitting Diode (LED) Display

FRONT-PANEL CONTROL SWITCHES:

Zero, Gross/Net, Tare, Print, Tare Recall,
SP1, SP2, Data Entry Keys

FRONT-PANEL ANNUNCIATORS:

Center Zero, Net, lb, kg, Motion (Red bar
LEDs)

SERIAL OUTPUT:

Port 1: Full duplex RS-232*, 20 mA current
loop (optional RS-485)
Port 2: Simplex RS-232*, 20 mA
current loop

*Floating ground may require isolation

SETPPOINT OUTPUT CONTROL:

4 bi-polar 5VDC logic levels

KEYBOARD:

21 key overlay, pushbuttons switches

REMOTE CONTROL INPUTS:

4, 5VDC logic levels

POWER INPUT:

115/20 VAC, 50/60 Hz, or external DC

POWER CONSUMPTION:

14 watts
Battery option run time approx.
8 hours

OPERATING TEMPERATURE:

14°F to 104°F (-10°C to 40°C)

RATING/MATERIAL:

NEMA 4x stainless steel

OVERALL DIMENSIONS:

9.12" L x 6.62" H x 4.18" W
(251 mm L x 168 mm H x 106
mm W)

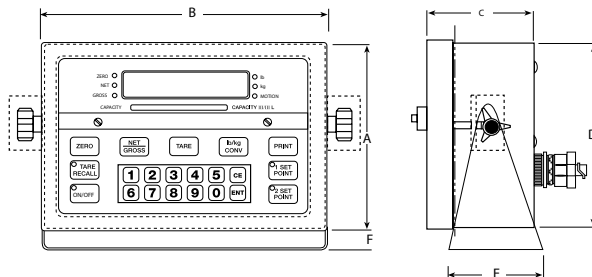
Weight: Approximately 9.5 lb
(4.3 kg)

APPROVALS:

NTEP-certified, CC# 00-004;
Measurement Canada Approved
S-WA-4131

WARRANTY:

Two-year limited warranty



DIMENSIONS

A = 6.62" (168.1 mm)	D = 6.34" (161.0 mm)
B = 9.12" (231.6 mm)	E = 43.94" (100.1 mm)
C = 4.18" (106.2 mm)	F = 0.90" (22.9 mm)

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
115 VAC			
19198	UMC600AAAC, w/tilt stand.....	11 lb.....	\$1,095.00
55623	UMC600BAAC, w/panel mount brackets.....	11 lb.....	1,095.00
61652	UMC600DAAC, flange mount.....	11 lb.....	1,195.00
59659	UMC600ACAC, w/tilt stand, w/battery.....	11 lb.....	1,170.00
56231	UMC600BCAC, w/panel mount brackets, w/battery.....	11 lb.....	1,170.00
54117	UMC600AFAC, w/tilt stand, analog 0-10VDC, 4-20 mA.....	11 lb.....	1,490.00
57186	UMC600BFAC, w/panel mount brackets, analog 0-10 VDC; 4-20 mA output.....	11 lb.....	1,490.00
55622	UMC600AKAC, w/tilt stand, analog 0-10 VDC; 4-20 mA output; 4 SS relays.....	11 lb.....	1,615.00
54722	UMC600AHAC, w/tilt stand, relay output.....	11 lb.....	1,360.00
62337	UMC600DHAC, flange mount, relay output.....	11 lb.....	1,460.00
62723	UMC600CAAC, uncased.....	6 lb.....	850.00
12 VDC (external input)			
62934	UMC600AEAC, w/tilt stand, 12 VDC.....	11 lb.....	1,095.00
61196	UMC600AEAC-44, w/tilt stand, 12 VDC w/power conditioning circuit.....	11 lb.....	1,235.00
56864	UMC600BEAC, w/panel mount brackets, 12 VDC.....	11 lb.....	1,095.00
61893	UMC600DEAC, flange mount, 12 VDC.....	11 lb.....	1,195.00
230 VAC			
59318	UMC600ABAC, w/tilt stand.....	11 lb.....	1,095.00
55960	UMC600BBAC, w/panel mount brackets.....	11 lb.....	1,095.00
58514	UMC600BJAC, w/panel mount brackets, relay output.....	11 lb.....	1,360.00
59295	UMC600BLAC, w/panel mount brackets, analog 0-10 VDC; 4-20 mA output; 4 SS relays.....	11 lb.....	1,615.00

All other part number configurations are available as special order units.

Options/Accessories

55649	Battery, KBT7116-14.....	90.00
55653	Relay board with four solid state relays (new style), KBT7116-16.....	265.00
55658	Analog kit (no board), KBT7116-17 (requires part #55653).....	290.00
55660	Analog output board, KBT7116-18.....	395.00
55662	Relay and analog output board, KBT7116-19.....	520.00
16815	Technical manual.....	89.00
30261	Additional installation manual.....	35.00
30352	Panel mount brackets.....	47.00

UMC600PART NUMBERING GUIDE

UMC600 () () () ()

ENCLOSURE () () () ()

A = Stainless steel with tilt stand
 B = Stainless steel with panel mount kit
 D = Flange mount

INPUT POWER

A = 115 VAC, 60 Hz
 B = 230 VAC, 50 Hz
 C = 115 VAC, 60 Hz with battery option (part #55649)
 D = 230 VAC, 50 Hz with battery option (part #55649)
 E = 12 VDC (external input)
 F = 115 VAC with analog output option 0-10 VDC; 4-20 mA (part #55660)
 G = 230 VAC with analog output option 0-10 VDC; 4-20 mA (part #55653)
 H = 115 VAC with relay output option (solid state) (part #55653)
 J = 230 VAC with relay output option (solid state) (part #55660)
 K = 115 VAC with analog & relay output option 0-10 VDC;
 4-20 mA output, 4 SS relays (part #55662)
 L = 230 VAC with analog & relay output option 0-10 VDC;
 4-20 mA, 4 SS relays (part #55662)

DISPLAY

A = Light Emitting Diode (LED)

LOAD CELL TERMINATION

C = RFI - shielded 6-wire connector

* Panel mount kit is not NEMA rated