

CONDEC™ UMC600 Digital Weight Indicator**APPROVALS**

Measurement
Canada
Approved

SPECIFICATIONS**Excitation Voltage:**

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

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
- Five 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)

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
setpoint output control:

4 bi-polar 5VDC logic levels

Keyboard:

21 key overlay, pushbuttons switches

Remote Control Inputs:

4, 5VDC logic levels

Power Input:

115/20VAC, 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 in L x 6.62 in H x 4.18 in W
(251 mm L x 168 mm H x 106 mm W)
Weight: Approximately 9.5 lb 4.3 kg)

Warranty:

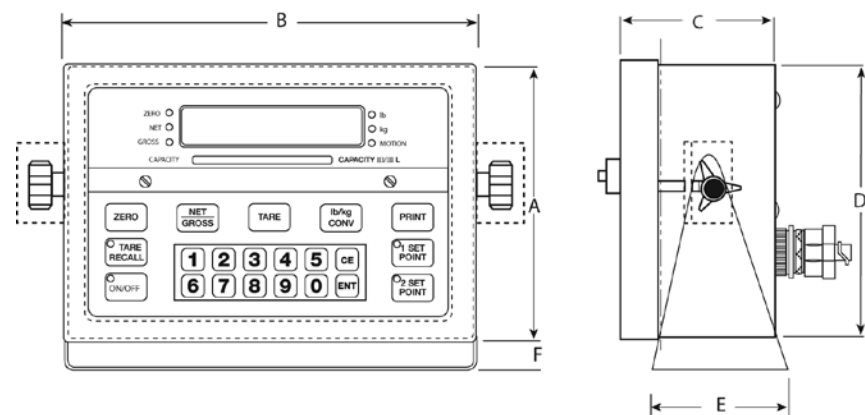
Two-year limited warranty

Approvals:

NTEP CC 00-004
Measurement Canada S-WA-4131

DIMENSIONS

A	6.62 in (168.1 mm)	D	6.34 in (161.0 mm)
B	9.12 in (231.6 mm)	E	3.94 in (100 mm)
C	4.18 in (106.2 mm)	F	0.90 in (22.9 mm)



CONDEC™ UMC600 Digital Weight Indicator

PART NUMBER/PRICE

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

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

OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
55649	Battery, KBT7116-14	Consult
55653	Relay board with four solid state relays (new style), KBT7116-16	Consult
55658	Analog kit (no board), KBT7116-17 (requires part #55653)	Consult
55660	Analog output board, KBT7116-18	Consult
55662	Relay and analog output board, KBT7116-19	Consult
16815	Technical manual	Consult
30261	Additional installation manual	Consult
30352	Panel mount brackets	Consult

UMC600 PART NUMBERING GUIDE

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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

INDICATORS/CONTROLLERS