



STANDARD FEATURES

- Surge protection board
- Auto/manual batching modes
- 80,000 display graduations available
- RF/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)

APPROVALS



SPECIFICATIONS

EXCITATION VOLTAGE:

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

ANALOG SIGNAL INPUT RANGE:

0.7mV/V - 2.0mV/V "high span"
1.7mV/V - 3.2mV/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, 0.6in (15.2mm) 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*, 20mA current loop
(optional RS-485)
Port 2: Simplex RS-232*, 20mA 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, 50/60Hz, 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:

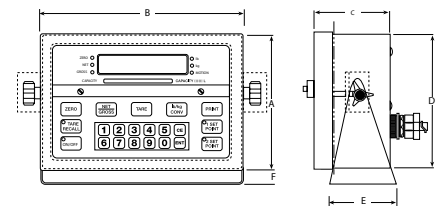
9.12in L x 6.62in H x 4.18in W
(251mm L x 168mm H x 106mm W)
Weight: Approximately 9.5lb 4.3kg

APPROVALS:

NTEP Certified, CC# 00-004A1; Measurement
Canada Approved S-WA-4131

WARRANTY:

Two-year limited warranty



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

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

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

OPTIONS/ACCESSORIES

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

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