

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
- 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:

0.7 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, 0.6in (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:

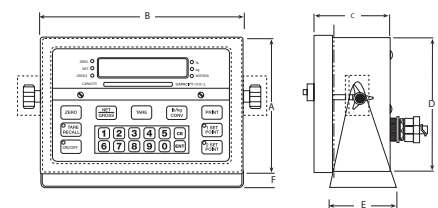
9.12in L x 6.62in H x 4.18in W
(251 mm L x 168 mm H x 106 mm W)
Weight: Approximately 9.5lb 4.3kg)

APPROVALS:

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

WARRANTY:

Two-year limited warranty



DIMENSIONS			
A	6.62 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)

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

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

OPTIONS/ACCESSORIES

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

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 = 12 VDC (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

RICE LAKE
WEIGHING SYSTEMS

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