CONDEC™ UMC555

Digital Weight Indicator

APPROVALS

Measurement Canada Approved

STANDARD FEATURES

- Four-button operation
- Mild steel NEMA 1 enclosure
- Tilt stand base
- Front panel calibration
- Zero, net/gross, tare and print keys

SPECIFICATIONS

EXCITATION VOLTAGE:
10 VDC, 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
80,000 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

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-485/422)
Port 2: Simplex RS-232*, 20 mA current loop
*Floating ground may require isolation

POWER INPUT:
115/230 VAC, 50/60 Hz, or external DC
Power consumption: 15 watts

OPERATING TEMPERATURE:
14°F to 104°F (-10°C to 40°C)

RATING/MATERIAL:
Mild steel, NEMA 1 general purpose, tilt stand base standard
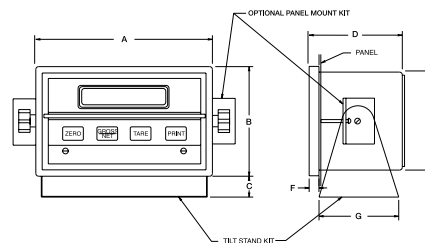
WEIGHT:
Approximately 5.5 lb (2.5 kg)

APPROVALS:
NTEP Certified, CC# 00-005
Measurement Canada approved, MALSWA-4408 rev. 4

WARRANTY:
Two-year limited warranty

DIMENSIONS			
A	7.75 in (196.8 mm)	**D**	4.09 in (103.9 mm)
B	4.81 in (122.2 mm)	**E**	4.31 in (109.5 mm)
C	0.92 in (23.4 mm) or 2.06 in (52.3 mm)	**F**	4.31 in (109.5 mm)
		G	3.50 in (88.9 mm)

RICE LAKE WEIGHING SYSTEMS
Commitment Beyond Measurement®
ISO 9001 REGISTERED

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 - 18ºF to 104ºF (-10ºC to 40ºC)

Approvals

NTEP

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

SETPOINT OUTPUT CONTROL:
4 bi-polar 5VDC logic levels

KEYBOARD:
21 key overlay, pushbottons switches

REMOTE CONTROL INPUTS:
4, 5VDC logic levels

POWER INPUT:
115/20 VAC, 50/60 Hz, or external DC

POWER CONSUMPTION:
14 watts

OPERATING TEMPERATURE:
14°F to 104°F (-10°C to 40°C)

RATING/MATERIAL:
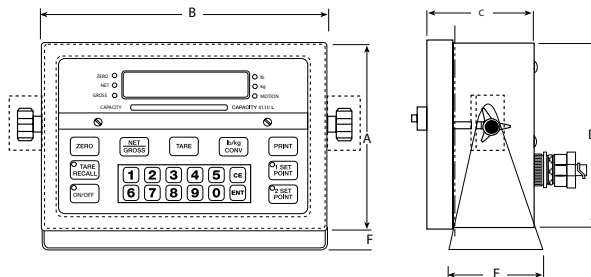NEMA 4x Stainless Steel

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:
2-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)