

CONDEC™ UMC444 Digital Weight Indicator



Measurement
Canada
Approved



The UMC444 digital weight indicator combines proven technology with user-friendly configuration and calibration—all in one economical package. The UMC444 is available in a mild steel painted enclosure with a tilt stand base or with panel mounting brackets, a NEMA 4X stainless steel enclosure, and even an uncased board set for custom applications. Standard 20mA current loop communications also provides a printer interface.

UMC444 PART NUMBERING GUIDE

UMC444	() () () ()
ENCLOSURE	_____
A = Mild steel painted enclosure with tilt stand	
B = Mild steel painted enclosure with panel mount brackets	
C = Uncased board set	
D = NEMA 4X stainless steel enclosure	
INPUT POWER	_____
A = 115 VAC, 60 Hz	
B = 230 VAC, 50 Hz	
C = 12 VDC (external output)	
D = 115 VAC with battery option (Part #19577)	
E = 230 VAC with battery option (Part #19577)	
OPTIONS	_____
B = Duplex serial (RS-232 or 20 mA)	
LOAD CELL TERMINATION	_____
C = RFI - shielded	
D = RFI - shielded with load cell connector	

PART # DESCRIPTION

115 VAC

- 61264 UMC444AABC, mild steel enclosure w/tilt stand, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 62084 UMC444BABC, mild steel enclosure w/panel mounting brackets, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 61256 UMC444CABC, uncased board set, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 62070 UMC444DABC, NEMA 4X stainless steel enclosure, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 61563 UMC444ADBC, mild steel enclosure w/tilt stand, 115 VAC w/battery, duplex serial (RS-232 or 20 mA), RFI shielded
- 61265 UMC444AABD, mild steel enclosure w/tilt stand, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded w/load cell connector

Applications

- Mechanical conversions
- Straight weighing

Standard Features

- Four-button operation
- Mild steel NEMA 1 enclosure
- Tilt stand base
- Front-panel calibration
- Zero, Net/Gross, Tare and Print keys

Options/Acessories

- 19576 BCD output, external, 115 VAC
- 55458 BCD output, external, 230 VAC
- 19578 Analog output, 0-10/4-20 mA, 115 VAC
- 55469 Analog output, 0-10/4-20 mA, 230 VAC
- 19577 Battery pack, 115/230 VAC
- 56116 RS-485 serial expander
- 16815 Technical manual
- 16819 Additional operating manual

PART # DESCRIPTION

115 VAC (CONT.)

- 62086 UMC444BABD, mild steel enclosure w/panel mounting brackets, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded w/load cell connector
- 62941 UMC444BABD-14, mild steel enclosure w/panel mounting brackets, 115 VAC 60 Hz, duplex serial (RS-232 or 20 mA), RFI shielded w/load cell connector w/internal BCD option

12 VDC (EXTERNAL INPUT)

- 62413 UMC444DCBC, NEMA 4X stainless steel enclosure, 12 VDC (external input), duplex serial (RS-232 or 20 mA), RFI shielded

230 VAC

- 61357 UMC444ABBC, mild steel enclosure w/tilt stand, 230 VAC 50 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 62248 UMC444BBBC, mild steel enclosure w/panel mounting brackets, 230 VAC 50 Hz, duplex serial (RS-232 or 20 mA), RFI shielded
- 62250 UMC444BBBD, mild steel enclosure w/panel mounting brackets, 230 VAC 50 Hz, duplex serial (RS-232 or 20 mA), RFI shielded w/load cell connector

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

LOAD CELL EXCITATION:

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
80,000 internal graduations

DISPLAY:

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

LB/KG SWITCHING:

Via customer supplied switch, with conversion for weight, tare values

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

WEIGHT AVERAGING:

10 updates per second fixed

MOTION BAND:

Selectable: Off, ±1, ±3 graduations, 1 second delay

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:

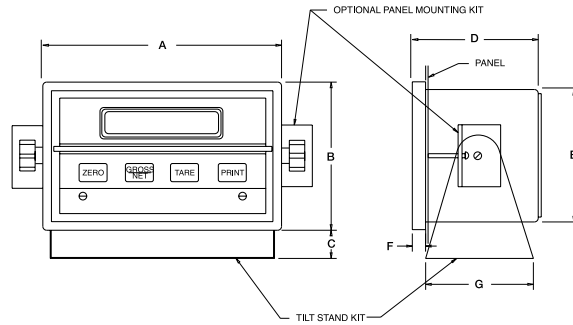
Approximately 5.5 lb (2.5 kg)

APPROVALS:

NTEP certified, CC# 00-005; Measurement Canada approved, MAL-SWA-4408 rev. 4; CSA

WARRANTY:

Two year limited warranty



DIMENSIONS

A = 7.72" (196.1mm)	D = 3.78" (96.0mm)
B = 4.75" (120.6mm)	E = 4.31" (109.5mm)
C = 1.31" (33.3mm) or 2.06" (52.3mm)	F = 0.12" (3.0mm)
	G = 3.50" (88.9mm)