



**A modern compact
electronic totalizer . . .
self-powered with 8
large LCD figures and
choice of unidirectional
or bidirectional models**



Now available in standard and DIN size models, the MITE Series is a versatile family of LCD totalizers that includes unidirectional and bidirectional models. Based on the latest CMOS circuitry, they feature a long-life internal power source, high count-speed capability, and eight-digit liquid crystal display.

The bidirectional MITE totalizer provides count/direction operation – one input receives count pulses, while a second input controls counting direction. An accessory quadrature adaptor allows full bidirectional operation when using an encoder as its input device – ideal for positioning or length measuring applications.

- Front panel and remote reset
- NEMA-4/IP65 environmental sealing
- Easy-to-read, high contrast Liquid Crystal Display (LCD)
- UL recognized, CSA Certified
- 10-year battery life
- Quick and easy panel mounting with slide-on clips
- Supplied with prewired plug-in connector
- Accessory snap-on adaptors for high voltage count signals
- Small overall size – minimal 1.2" (30mm) depth behind panel
- Very low priced – without sacrifice of performance or reliability

MITE totalizers are rated NEMA-4/IP65 for water and dust-proof integrity of their front panels when mounted with the provided gasket. Instant reset to zero is accomplished via its front panel push-button or remote-reset command. For non-reset applications, the panel reset can be disabled.

SPECIFICATIONS

Display: Standard size models: 0.315" (8 mm) character height; eight-digit LCD; DIN size models: 7 mm character height; eight-digit LCD

Power: Internal lithium battery; Ten-year typical life

Operating Temperature: +14° to +144 °F (–10° to +60°C)

Storage Temperature: +4° to +144 °F (–20° to +60°C)

Environmental Integrity: Front panel meets NEMA-4/IP65 requirements, when used with clip mount and gasket provided

Reset: Front panel push-button and remote reset; Panel Reset Enable: Link to common to enable front-panel reset button; Remote Reset: Provides reset via remote contact closure or open collector transistor

Connection: Integral plug; Mating connector provided; Accessory screw termination available

Signal Inputs for 799988-110 & 79998D-110 (Add only Totalizer):

High-Speed Input: For use with logic level voltage, TTL, CMOS open collector NPN transistor

Frequency Response: 10,000 Hz, 50 µsec minimum pulse length.

Input Voltage: Logic 0: <0.7 volts DC; Logic 1: >2.4 volts DC;

Maximum Input: 18 volts DC; NOTE: Accessory modules may be used for high voltage input signals

Low-speed Input: For use with isolated switch/relay contact.

Frequency Response: 30 Hz maximum

Signal Input for 799988-410 (Bidirectional Totalizer): To be used only with electronic inputs, TTL/CMOS compatible

Frequency: 10 kHz maximum, minimum pulse length 50 µsec.

Input Voltage: Logic 0: <0.7 volts DC; Logic 1: >2.4 volts DC;

Maximum input: 18 volts DC

Direction Input: Add: No connection; Subtract: Connect common

Model No.	Description
799988-110	MITE Totalizer
799988-410	MITE Totalizer, Add/Subtract
79998D-110	MITE Totalizer, Din Sized
79998D-410	MITE Totalizer, Add/Subtract, Din Sized

ACCESSORIES

AC/DC Input Module: Allows use of high voltage input signal of 5 to 240 VAC/DC. Impulse frequency is 0 to 18 Hz. Connections are via screw terminations. For use with model 799988-110: Part Number 329587-001; For use with model 79998D-110: Part Number 108938-0001

Screw Terminal Adaptor: Provides the convenience of screw terminal connection of input signal and remote reset. For use with 799988 models: Part Number 329590-001; For use with 79998D models: Part Number 108937-0001

Quadrature Input Module: (for use with 799988-410 only) – Allows use of quadrature input signal. Input Type: NPN Transistor. Impulse frequency response is 2500 Hz maximum. Operating voltage: 10-30 VDC supply. Connections are via screw terminations. Part Number 329589-001

Dimensions:

