



**Badger Meter**

## Industrial Registers

### Model ER-6/R (Remote) Digital Resettable Totalizer

#### DESCRIPTION

The Badger Meter® Model ER-6 register is a remote totalizer designed for use with all Badger Meter meter product lines. A rear adapter plate is provided for attachment to a wall or other suitable surface.

The ER-6 is only offered in the remote style as it requires a scaled pulse input from the meter. The unit is battery powered.

The totalizing function uses an easy-to-read, 8-digit numeric LCD display. The display can be reset to zero from the front panel button or from an external switch wired directly to a rear terminal. The front panel Reset button can be inhibited.

You can backlight the display by connecting a DC power source to the unit.

When the battery is low, an indicator appears on the screen a couple weeks before the end of the battery life to remind the operator that the battery is in need of replacement.

#### OPERATION

The ER-6 simply totalizes all pulses received. If a scaled pulse is not available, consider using the Model ER-9 or ER-10 units, which have a scaling feature.



#### FEATURES

- All solid-state components for long life
- Battery powered with memory retention
- Low battery indicator
- Corrosion-resistant plastic housing built to NEMA 4X specifications
- Backlit display available
- Front panel totalizer Reset switch can be disabled

## SPECIFICATIONS

Count Input (Terminal 2)	
Type	NPN signal, contact closure
Count speed	NPN, 280 Hz maximum, Contact, 95 Hz maximum
Logic	Low < 1.0V DC, High > 2.0V DC
Minimum pulse width	NPN, 1.78 µs, Contact, 5 ms
Maximum input	28V DC
Impedance	1 Meg to battery
Front Panel Reset Enable (Terminal 5)	
Type	NPN signal, contact closure; level sensitive
Maximum input	28V DC
Remote Reset Input (Terminal 4)	
Type	NPN Signal, Contact closure; edge sensitive
Frequency response	30 Hz (50% duty cycle)
Maximum input	28V DC
Operating Temperature	
Indicator	32...140° F (0...60° C)

Power Source	
Type	Single 3V Lithium battery
Replacement part #	62576-001
Battery life expectancy	5 years
Low power indicator	"Low Bat" flashes on display approx. 2 weeks prior to end of battery life
Display	
Type	Supertwist LCD for use with or without backlighting
Number	8 digits
Height	12 mm (0.472 in.)
Backlighting	Green Illumination over whole viewable area with a 10...28V DC supply (Terminal 8)
Physical	
Dimensions	36 mm x 72 mm, 38 mm deep (1.417 in. x 2.835 in., 1.496 in. deep)
Mounting	Panel mount (mounting bracket supplied) 33 mm x 68 mm (+ 0.3 mm) panel cutout 1.299 in. x 2.677 in., (+ 0.012 in.) panel cutout
Connections	Up to 8 screw terminals
Weight	Approximately 13 ounces

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