



**Badger Meter**

# MEASURE RITE® Mixer & Slump Rack Meter

3/4 in. to 2 in. MR-1b

## DESCRIPTION

The MEASURE RITE® battery operated Truck and Slump Rack Meter is used for accurately measuring and dispensing water for premixed batches at the job site. The truck meter helps minimize mix errors and batch waste.

## OPERATION

The ladder platform area is the ideal mounting location for rear-discharge truck meter applications, just upstream (and in line with) the water manifold. The meter may also be mounted securely at the slump and washout racks. Verify that any movement of the platform will not cause the meter to contact the barrel or other components.

## APPLICATIONS

The MEASURE RITE meter will allow the user to accurately measure the amount of add water on the truck or at the slump rack.

## FEATURES

- Air slug tolerant
- Highly rugged and durable
- Compact and user friendly
- Easy to install
- Easy to calibrate
- Single button operation
- Powered by two internal lithium batteries (handle according to state/federal guidelines)
- On-Off switch to conserve power and extend battery life

## Options

- Mounting bracket 3/4 in. and 1 in. units
- Ball valve (mount 5 pipe diameters downstream of meter)
- Upstream strainer (60 mesh recommended at least 10 pipe diameters upstream of valve)
- 90° front panel orientation (optional factory ordered)

## Power

- Internal batteries, no external wires.
- The unit contains two (2) C-size lithium batteries.
- The batteries are potted into the housing, which is replaceable only by the factory.
- If used (switch-on) for approximately 8-10 hours/day, battery life expectancy is at least 5 years.
- Units containing lithium batteries should be handled according to state, federal and local regulations. Special shipping regulations apply.



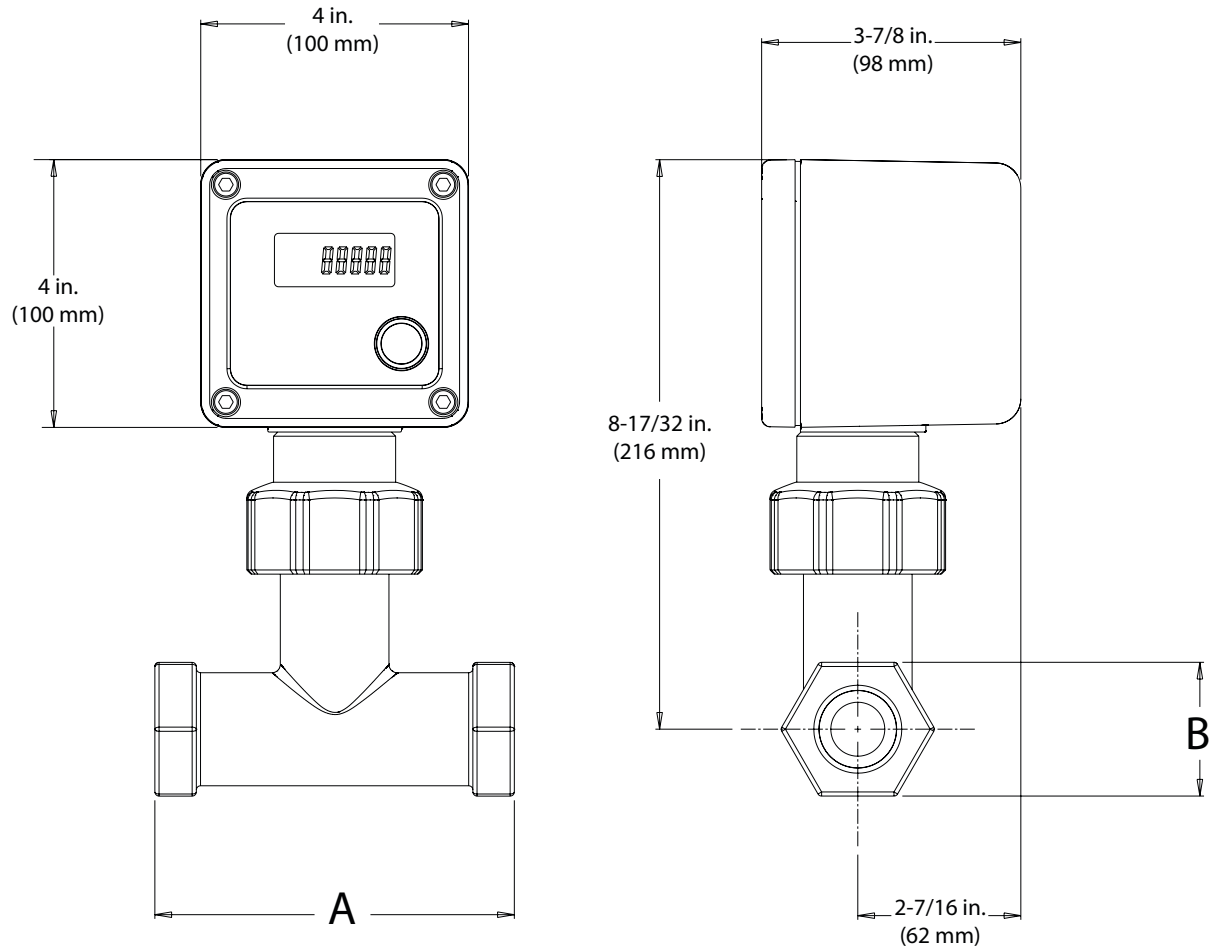
## MATERIALS

<b>Meter Body</b>	Bronze
<b>Impeller</b>	316SST
<b>Shaft</b>	Tungsten carbide
<b>Bearings</b>	Torlon (high performance polymer)
<b>Electronics Housing</b>	Coated aluminum
<b>Window</b>	Tempered glass
<b>Seals</b>	EPDM
<b>Sensor Tip</b>	PPS

## SPECIFICATIONS

Meter Size	3/4 in. NPT	1 in. NPT	1-1/4 in. NPT	1-1/2 in. NPT	2 in. NPT
<b>Flow Range</b>	5...30 gpm (19...113 lpm)	8...50 gpm (30...189 lpm)	15...90 gpm (57...340 lpm)	21...125 gpm (79...473 lpm)	35...200 gpm (132...757 lpm)
<b>Pressure Rating</b>	400 psig @ 33...140° F (28 bar @ 0.5...60° C) 225 psig @ 180° F (16 bar @ 82° C)				
<b>Max. Ambient Temp.</b>	140° F (60° C)				
<b>Accuracy</b>	± 1% or better (within flow range)				
<b>Standards</b>	Truck meter meets Alabama DOT specifications ALDOT-407-01 and New York Spec Truck Mixer 501-3.04 requirements				

**DIMENSIONS**



Meter Size	3/4 in. NPT	1 in. NPT	1-1/4 in. NPT	1-1/2 in. NPT	2 in. NPT
<b>A</b>	5.375 in. (136 mm)	5.375 in. (136 mm)	6.234 in. (158 mm)	6.703 in. (170 mm)	7.766 in. (197 mm)
<b>B</b>	2 in. (50 mm) hex	2 in. (50 mm) hex	2.375 in. (60 mm) hex	2.75 in. (70 mm) hex	3.3125 in. (84 mm) hex
<b>Part Number</b>	255317-0001	255318-0001	255319-0001	255320-0001	255321-0001

**Control. Manage. Optimize.**

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