

evoQ₄ Remote Display



Specifications

Operating temperature	-4°F to +140°F
Pulse output signal	Open drain
Maximum load current	20mA
Maximum load voltage	30V DC
Maximum distance between meter and remote	100 ft
Maximum pulse transmitting distance	650 ft
Standard cable length	30 ft
Power	Battery powered, 10 years
Environmental class	Waterproof structure IP 63*
Dimensions	3 5/8" L x 1 1/2" W x 6 3/8" H
Register options	Available in USG, CuFt, M3

* Note: IP63 rating means the display is dust tight and will withstand water spray up to a 60° angle. The remote display cannot be submerged.

Operation. The evoQ₄ remote display is designed to give the customer the ability to display the actual reading from the meter to a more easily accessible location. The remote display is battery operated and reads the evoQ₄ optically displaying the volume and flow in real time.

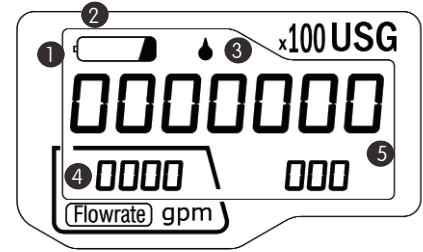
Pulse output. The evoQ₄ remote display features a dual channel pulse output giving the customer the ability to connect to multiple data management outlets, AMR/AMI, data logger, and SCADA systems. The pulse output comes in a standard format but can be changed in the field to display either forward or reverse flow. The display can be configured to show all 6 digits or only the billable units.



LCD display. Bright, large and easy-to-read LCD display incorporating integrating volume and flow-rate for real-time network control and water management. Alarm functions provide “real time” status ensuring no loss in measuring continuity. The remote display housing provides protection from water and dust intrusion and meets a minimum of IP63 and NEMA-3R ratings.

Display functions. A low-battery indicator will appear when the battery voltage requirement is closing towards the end of its useful life. A no-water indicator will blink indicating an empty pipe, or when there is no water within the meter. The flow rate will be displayed in forward and reverse; if water is flowing in the reverse direction a minus sign will be displayed. The net volume of water measured will be displayed at all times.

- 1 Low-battery. The indicator will blink when the meter has approximately 3 months working life remaining.
- 2 End-of-life-battery. Measurement stopped. The indicator will appear permanently when the meter life has expired. Data is stored for up to 9 months.
- 3 No-water. The indicator will blink when there is an empty pipe or no water in the meter.
- 4 Flow rate. If water is flowing in reverse direction a minus sign is displayed to the left of the values.
- 5 Net volume. Any reverse flow will be subtracted from the volume display. The decimal places are shown below the main billable units.



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