The evoQ₄ is a single meter that meets the needs of traditional turbine, compound, single jet and magnetic meters.

**Operation**

The evoQ₄ remote display gives the customer the ability to display the net total reading from the meter in a more easily accessible location. The remote display is battery operated and reads the evoQ₄ via optical interface displaying the volume and flow in real time.

This remote display can be retrofitted in the field to the evoQ₄ meter at any time and provides simple plug and play operation.

The display value will update with the value shown on the meter register whenever a good connection is established.

**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 or data logger systems. The pulse output comes in a standard format but can be changed in the field to one of a number of pulse logic options.

**LCD**

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

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**Specification**

- **Operating temperature**: -4°F to +140°F
- **Pulse output signal**: Open drain N-channel Field Effect Transistor (operates like an NPN open collector transistor)
- **Maximum load current**: 20 mA
- **Maximum load voltage**: 30 V DC
- **Maximum distance between meter and remote**: 100 ft
- **Max. pulse transmitting distance**: 650 ft
- **Standard cable length**: 30 ft
- **Power**: Battery matches the evoQ₄ battery with an anticipated 10 year life
- **Environmental class**: IP63*
- **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. For installation in more difficult conditions, user supplies further enclosure protection.

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Display functions

1. **Low-Battery** — The indicator blinks when the meter has approximately 3 months working life remaining.

2. **End of Life Battery** — Measurement stopped. The indicator appears permanently when the meter life expires. Data is displayed for up to 9 months.

3. **No-Water** — The indicator blinks when there is an empty pipe condition.

4. **Flow Rate** — If water is flowing in the reverse direction a minus sign is displayed to the left of the value.

5. **Net Volume** — Any reverse flow is subtracted from the volume display. The top line displays billable units with the multiplier shown in upper right corner. Measurement resolution is provided in the lower right for testing.