

# Next Register™ (NR4)



## An Intelligent Integration Solution

The Next Register is a universal and fully programmable register that can be retrofitted on most water meters in use today. Through precisely reading the magnetic signature within existing mechanical meters the Next Register converts a traditional system into a smart, plug-n-play solution without the need to remove the existing meters.

With the Next Register, utilities can now easily benefit from flexible connectivity and data communications. The interoperable encoded output, BLE powered walk-by/drive-by, and built in RF capability allow the Next Register to tie directly into an existing AMI solution or start with a basic AMR system and scale over time.

The powerful and intuitive mobile application allows you to both program as well as collect reads from the Next Register without the need of additional costly equipment. This facilitates utilities to both reduce expenses while increasing the efficiency of daily operations.

## Key Benefits

- Broad compatibility with existing meters and infrastructure
- Accuracy that doesn't fade over time
- Retrofittable on existing meters

## Options for Growth

- Encoded output for seamless integration with existing AMR/AMI systems
- Walk-by, drive-by, and fixed network solutions

## Built to Last

- Fully electronic with no moving parts that wear out
- Field replaceable 15-year battery
- Exceeds IP68 requirements

## Configure with Ease

- Direct configure using any modern iOS or Android device
- Enable backflow, leak, and freeze alerts



## GENERAL SPECIFICATIONS

### Approvals

Complies with part 15 of the FCC rules  
Certified National Type Evaluation Program (NTEP)

### Wireless

Built-in BLE communication for configuration and walk-by reading option.

Integrated long range 902-928 MHz RF option for drive by and fixed network read collection options.

### Meter Compatibility

Pairs with most modern mechanical meter body types including positive displacement (PD), multi-jet (MJ), and turbine.

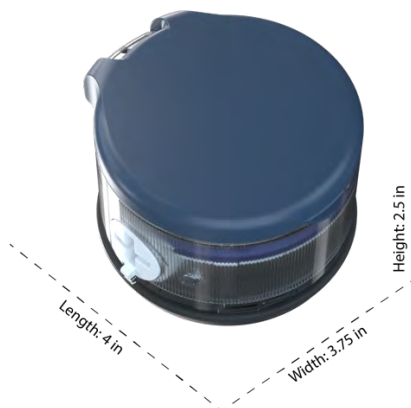
Integration adapter and seal included to ordering specification. Ask your distributor for details.

### Battery

Anti-obsolescence: battery replaced instead of discarding  
CR18505 lithium primary battery  
15-year estimated battery life\*

*\*Estimated battery life based on stable environmental conditions and default configuration. Actual battery life may exceed or be less than the 15-year estimate.*

### Reference Dimensions



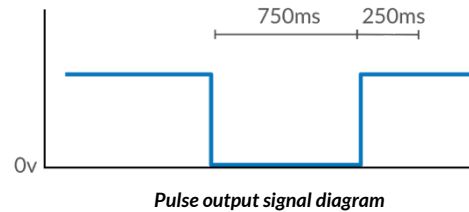
### Operating Environment

IP 68 for submersed applications  
Temperature min -20°C / -4°F  
Temperature max 60°C / 140°F

## OUTPUTS FOR 3<sup>RD</sup> PARTY INTEGRATIONS

### Pulse Output

Clean solid state driven 750ms pulse output open-drain signal. Min 3vdc / Max 15vdc.



### Encoded Output

Wired encoded output can be used with any 3<sup>rd</sup> party transmitters\* or reading devices that support the encoded protocols listed below.

- Neptune (8 digit extended)
- AMCO/Elster k-frame
- Sensus 3-wire / 2-wire touchpad

*\*Some 3<sup>rd</sup> Party transmitters may not actively relay optional alerts. Alerts are still logged and can be retrieved with direct reading.*

## NEXT REGISTER™ AMR/AMI OPTIONS

### Walk-by Wireless Reading

Authorized meter readers to collect near-proximity wireless reads using the Next Meters mobile app.

### Drive-by Wireless Reading

The Next Meters mobile app facilitates easy read collection when paired with the range-extending antenna in any vehicle.

### Municipal Fixed Wireless

A continuous stream of usage data is made available with the fixed wireless solution. Solar powered network nodes are added to service large zones of a city or region.

### Submetering Fixed Wireless

The NCCS™ fixed wireless option allows integration with the NextCentury submetering line of products for indoor monitoring of dense meter points found in apartments, high-rises, and commercial units.