

e-DialΩ

Magnetel Electronic Dial for Transport/Bobtails and Bulk Storage

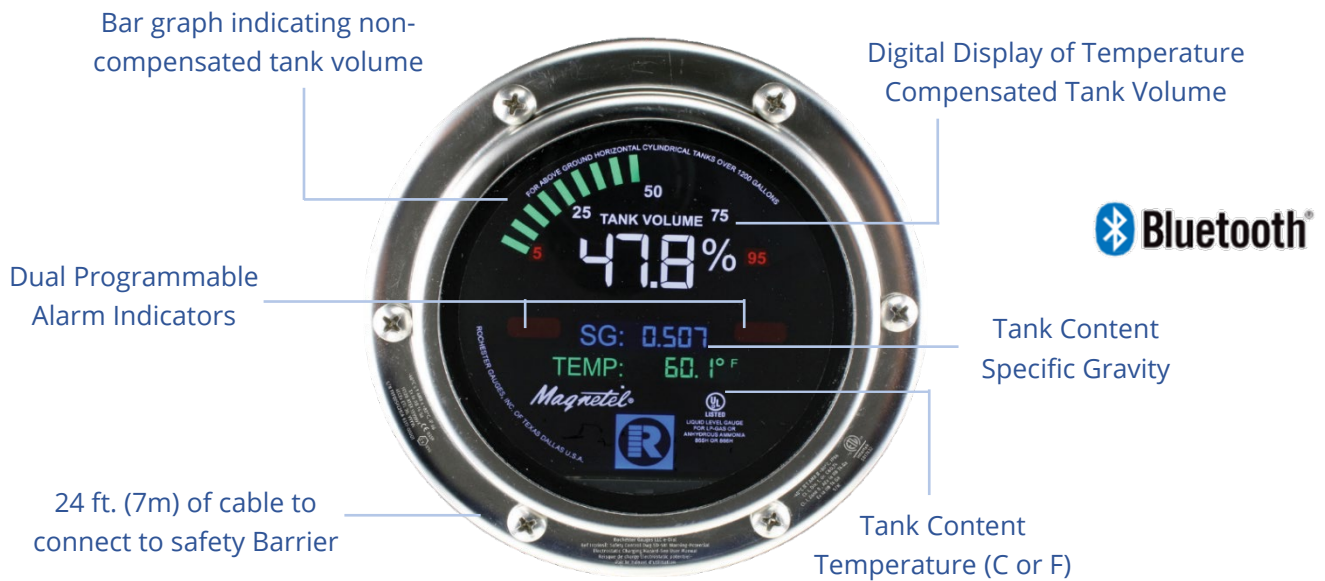


Application

Rochester digital gauge indicator of temperature compensated tank volumes and temperature through Bluetooth e-wireless communication with e-Temp temperature sensor (Sold separately). Digital gauge indicator also displays tank content specific gravity and dual programmable alarm indicators that can be set up remotely using the e-Dial™ App (Available on iTunes and Google Play).

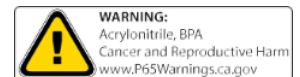
Benefits

- Temperature compensated volume displayed using automatic remote temperature: automatically converts corrected volume based on temperature:
- Improved Accuracy (Digital Display of Temperature Compensated Tank Levels and Removal of Dial Parallax)
- Ability to check levels using e-Dial™ App on smartphone/tablet via. Bluetooth wireless communication
- Ease of installation and set up without having to blow down tank



Temperature, liquid level and other parameters are accessible remotely on smartphone/tablet through Bluetooth communication. An optional Rochester wireless e-Temp Temperature Sensor (sold separately) can be paired for continuous automatic temperature compensation of liquid levels. Users can set up the unit by downloading the e-Dial™ app (available for IOS and Android) and adjust the following settings remotely (Bluetooth) through wireless handheld device (smartphone/tablet)

- Option to set up e-Dial™ alone or paired with Temperature Sensor (to allow continuous automatic temperature compensation of liquids levels)
- Selection of application range (5% - 95% or 3% - 97%)
- Set Tank Content Specific Gravity
- Set Dual Alarm Indicators



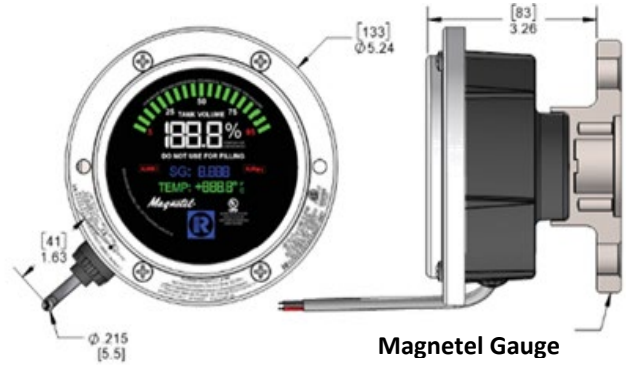
E. & O.E. ©Rochester Sensors.

Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

Safety Barrier included to meet intrinsic safety requirements per UL 60079-11:2014: Ed. 2 See User Manual for full list of standards.



Safety Barrier



Magnetel Gauge

e-DialΩ & Safety Barrier Ratings

North America (USA & Canada)

North America (USA & Canada)

IECEX (Global Certification):

ATEX (EU Certification):

e-DialΩ Barrier


To be installed in safe areas and provides intrinsic safety outputs to:

- [Ex ia] Class 1, Division 1, Groups C & D
- USA: [AEx ia Ga] IIB
- Canada: [Ex ia Ga] IIB
- $-40^{\circ}\text{C} \leq \text{TAMB} \leq +60^{\circ}\text{C}$

e-DialΩ Barrier

- [Ex ia Ga] IIB
- $-40^{\circ}\text{C} \leq \text{TAMB} \leq +60^{\circ}\text{C}$

e-DialΩ Barrier

- CE 0359  II (1) G [Ex ia Ga] IIB
- $-40^{\circ}\text{C} \leq \text{TAMB} \leq +60^{\circ}\text{C}$


e-DialΩ

- Class 1, Division 1, Groups C & D, T4
- USA: Class 1, Zone 0, AEx ia IIB T4 Ga Canada: Ex ia IIB T4 Ga - $40^{\circ}\text{C} \leq \text{TAMB} \leq +80^{\circ}\text{C}$

e-DialΩ

- Ex ia IIB T4 Ga
- $-40^{\circ}\text{C} \leq \text{TAMB} \leq +80^{\circ}\text{C}$

e-DialΩ

- CE 0359  II (1) G Ex ia IIB T4 Ga
- $-40^{\circ}\text{C} \leq \text{TAMB} \leq +60^{\circ}\text{C}$

Safety Barrier: General Information & Features

- Pre-installed 5ft (1.5m) cable for battery/power input.
- Intrinsically Safe Electrical design.
- Supply Voltage: 12-24 VDC
- Output Voltage Typical: 9.45 V
- Fused Output

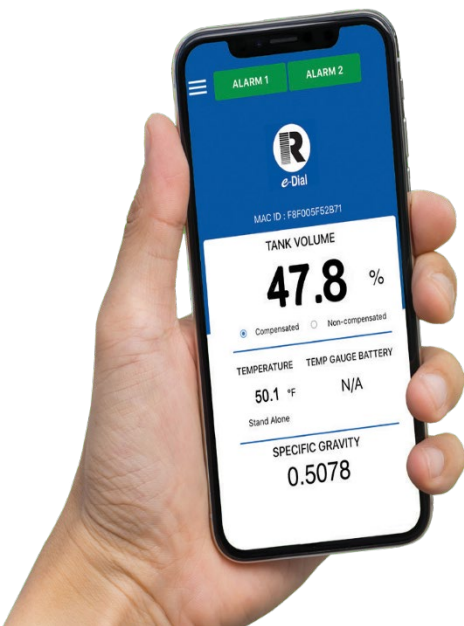
e-Dial™, General Information & Features

- 24ft (7m) of cable provided (user cuts to length) with flying leads for Power/Ground
- Ingress Protection: IP66 Rated
- Dial Accuracy: Less than 1% F.S (e-Dial™ only)
- High Visibility 4th LCD Dial Display
- Resolution: 0.1%
- Retrofittable on existing Rochester Magnetel and Tylor Gauges

Ordering Information

Rochester Part Number	Description
6317-00001	e-Dial™ with 24ft. (7m) of cable and safety Barrier with 5ft. (1.5m) of cable.

Download the Free Rochester Gauges e-Dial™ App Today!



GET IT ON
Google Play



Download on the
App Store



Apple and the Apple logo are trademarks of Apple Inc. registered in the U.S. and other countries.

App Store is a service mark of Apple Inc.

Google Play and the Google Play logo are trademarks of Google Inc.