

## Magnetel Electronic Dial For Transports/Bobtails and Bulk Storage Tanks

### 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).

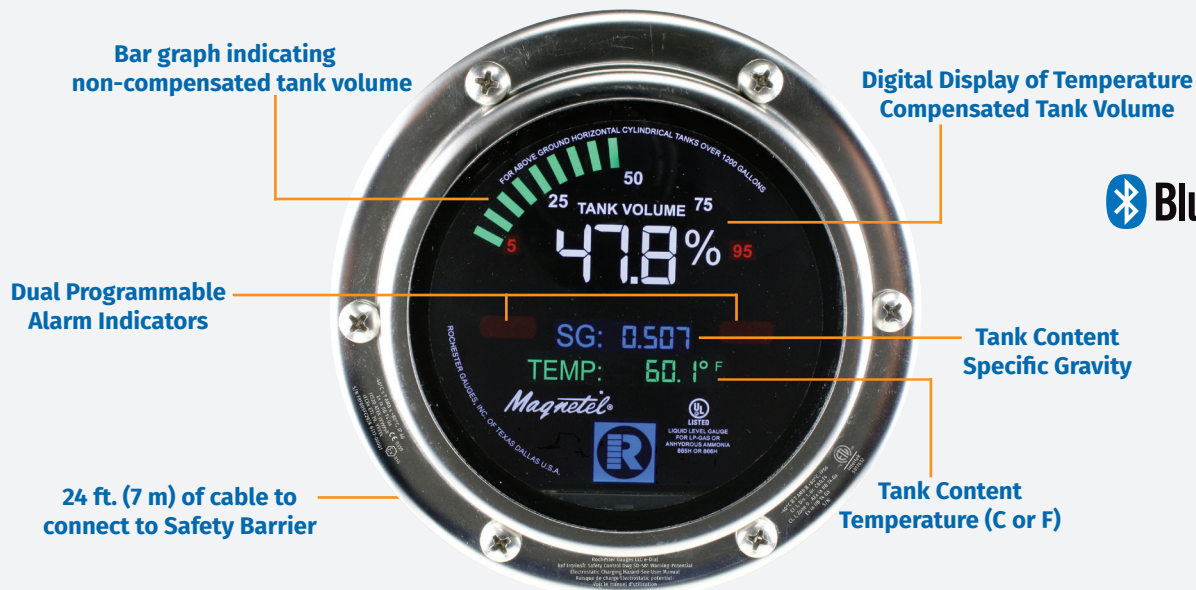
### Benefits

- 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

e-Dial™

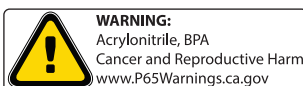


\*\*Through manual entry of current tank content temperature in e-Dial™ App or wireless communication of tank content through e-Temp Wireless Temperature Sensor (Sold Separately)



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)

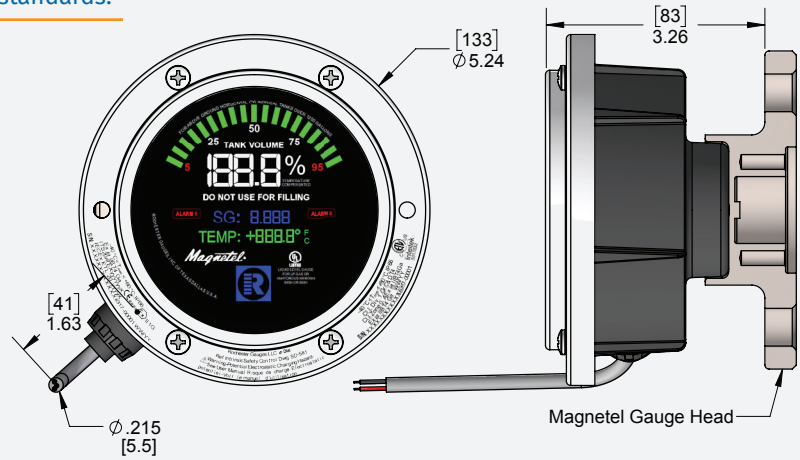
- Option to set up e-Dial™ alone or paired with Temperature Sensor (to allow continuous automatic temperature compensation of liquids levels)
- Selection of application range (5% - 95% or 3% - 97%)
- Set Tank Content Specific Gravity
- Set Dual Alarm Indicators



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 Head

### e-Dial™ & Safety Barrier Ratings

North America (USA & Canada)

#### e-Dial™ 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°C ≤ T<sub>AMB</sub> ≤ +60°C

#### e-Dial™

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°C ≤ T<sub>AMB</sub> ≤ +80°C

IECEx (Global Certification):

#### e-Dial™ Barrier

[Ex ia Ga] IIB

-40°C ≤ T<sub>AMB</sub> ≤ +60°C

#### e-Dial™

Ex ia IIB T4 Ga

-40°C ≤ T<sub>AMB</sub> ≤ +80°C

ATEX (EU Certification):

#### e-Dial™ Barrier

CE 0359 Ex II (1) G [Ex ia Ga] IIB

-40°C ≤ T<sub>AMB</sub> ≤ +60°C

#### e-Dial™

CE 0359 Ex II 1 G Ex ia IIB T4 Ga

-40°C ≤ T<sub>AMB</sub> ≤ +80°C

### Safety Barrier: General Information & Features

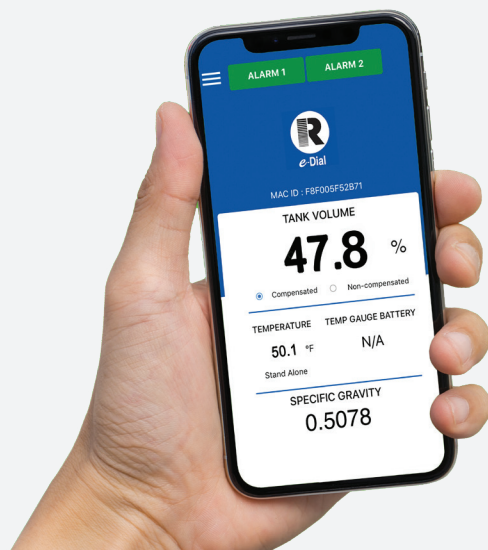
- Pre-installed 5ft (1.5m) cable for battery/power input.
- Intrinsically Safe Electrical design.
- Supply Voltage: 12-24 VDC
- Output Voltage Typical: 9.45 V
- Fused output.

### 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 4" LCD Dial Display
- Resolution: 0.1%
- Retrofittable on existing Rochester Magnetel and Taylor Gauges

### Ordering Information

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



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



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