

# Model 2241 Series

## Wireless Technology Modification Option



Ludlum Measurements, Inc.

### Features

- Fully Qualified Wireless Technology Version 2.1 Module (UART SPP Mode)
- Wireless Replacement for RS-232 Cable
- Supports Windows® PC or Windows® Tablet Devices (Only), or any Terminal Program
- Approximately 10 Meter (32.8 ft) Line-of-Sight Range



### Model 2241-Series

#### Wireless Technology Option:

Part Number: 4408-302

#### Retrofitting Kit for In-Use Instruments:

Part Number: 4408-302-R

### Introduction

The Wireless Technology modification option for the Model 2241 series provides a method whereby instruments in this series from Ludlum Measurements may wirelessly connect and run the Model 2241 PC Calibrator or PC Logger software. In addition, parameters may continue to be programmed either manually, or by computer through the RS-232 port. Free PC Data Logging Software and a Data Logging Data Sheet are available online.

**As of this writing neither an Android nor an iPhone application has been sufficiently developed to support this feature for use with cellular phones.**

The Bluetooth® option is compatible with any of Ludlum Measurements Model 2241-series of ratemeter/scaler instruments provided minimum requirements are met. See below for further details.



### Requirements

**COMPATIBLE DEVICES:** functions with Windows® PC or Windows® tablet

**PC SYSTEM REQUIREMENTS:** Windows® 7 or higher, with wireless technology capability

**SOFTWARE REQUIREMENTS:** the PC must have one of the following types of software to communicate

#### Ludlum Measurements

- Model 2241 PC Calibrator software: for calibration only, reads/sets parameters, view current rate
- Model 2241 PC Logger software: allows logging of data to a text file while the instrument is connected

#### Others

- RadResponder.net (<https://www.radresponder.net/app/index>) - allows rate information to be logged onto website for situational awareness
- Contact Ludlum Measurements or supplier for more information

**COMMUNICATION PROTOCOL:** Serial RS-232 Model 2241 to wireless technology connection:

- For additional details, see Ludlum document "Model 2241 Series RS-232 Output Formats"
- 9600 baud, 8 data bits, no parity, and 1 stop bit (9600,8,N1), hardware handshake
  - ~ Outputs value shown on instrument display
  - ~ Binary and ASCII formats available

**RETROFITTING EXISTING INSTRUMENTS:** instruments already in service may be upgraded with the wireless technology function. Please contact your sales representative and ask for Part Number 4408-302-R.

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: <http://www.ludlums.com> Tel: 800-622-0828 / 325-235-5494 / Fax: 325-235-4672 / Email: [ludlum@ludlums.com](mailto:ludlum@ludlums.com)

Note: specifications subject to change without notification. We are not responsible for errors or omissions.

May 2017