

Metre Pro Technologies
Collector-Portable
User's Guide

Overview

This document covers the Collector-P (portable) series of radio transceivers designed and manufactured by Metre Pro Technologies, Inc. It is intended to guide the user through the proper setup and operation of the Collector-P. Failure to strictly adhere to this guide may cause improper operation and/or damage to the unit, and this could result in voiding of all warranties.

Authority to Operate Equipment

THIS EQUIPMENT COMPLIES WITH PART 15 OF THE FCC RULES. ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Product Description

The Collector-P is a portable radio transceiver specifically designed to provide automated meter reading applications to industry, providing a low cost and high reliability solution. It establishes a wireless link to the ER series of radio transceivers located at the meters. Attached to the hip of a utility worker walking near these meters, the primary purpose of the Collector-P is to collect data from ER series radio transceivers connected to those meters and transfer this data to a handheld computer. Contact your account manager or distributor regarding the ER series radio transceivers.

Performance

The performance of the Collector-P and any other radio frequency device is subject to many factors. Some of these factors are: interference from other radio frequency sources, soil and soil moisture, buildings, proximity to surrounding objects, and weather. The Collector-P is designed for optimum performance, however, the above factors may enhance or degrade performance. Consult Metre Pro Technologies if performance issues occur.

Enhancements and Design Changes

Metre Pro Technologies is continually improving and enhancing its products and services. We reserve the right to make product, service, and specification changes without notice.

Repairs and Service

This product is not field repairable. In the event of a failure, contact your account manager or distributor for assistance in returning the product and getting replacements. Metre Pro liability is limited solely to the replacement of the device and excludes labor

and other costs. The purchase of this product implies an agreement to all restrictions, guides, and terms contained within this document.

Training

Metre Pro offers an instructor-led training program for those involved in the use, sales, installation, or marketing of the full line of Metre Pro products and services. Contact your account manager or distributor for more details.

Collector-P Installation

1. Connect battery pack power plug if not already connected.
2. Route belt through the hip belt loops on the Collector-P carrying case. This carrying case contains the Collector-P with its integral vertical antenna and its battery pack. Note that the antenna only fits through the hole in the carrying case one way, in a position which keeps the antenna about 2.5 inches or more from the body.

WARNING: The portable antenna is designed so that in normal use it is more than 2 inches from the body. It should maintain a distance of at least 1 inch (2.5 cm) from the body while transmitting. Failure to install this device as described will result in a failure to comply with FCC rules for radio frequency exposure and is discouraged.

3. Connect the handheld computer's serial cable to the Collector-P's serial port.
4. Follow instructions for the handheld computer software application to transmit a signal to retrieve a meter reading when walking near a meter equipped with an ER series transponder.

WARNING: The antenna rod is permanently attached to the magnetic base. Do not attempt to remove it.