Portable Power Monitoring Suitcase



KIT-EMS-01

Features

- Simplifies meter selection into five easy steps for quick setup.
- Includes multiple CTs and cables for a visual demonstration of CT selection.
- Features the PMD-2201 concentrator, allowing seamless switching between simulation and real-time measurement modes.
- Offers complete virtual power data with no setup required, improving demonstration efficiency.

Introduction

This kit simplifies common issues encountered when collecting power consumption data into five easy steps. By combining visual aids with simulated power usage, it is ready to use instantly without any setup. This saves time and effort, enabling quick understanding of meter selection and delivering an excellent demonstration experience.

1

- **Circuit**
  Selectable three-phase and single-phase smart meters. Additionally, multi-circuit smart meters can be flexibly configured for either three-phase or single-phase systems.
- **Interface**
  Provides versatile interfaces for diverse measurement needs.
  - RS-485 (Modbus RTU)
  - Ethernet (Modbus TCP)
  - CAN bus (CANopen)

2

LED Display

Equipped with an LED display and indicator lights for surface mounting on power distribution panels, ensuring clear real-time monitoring of power usage.

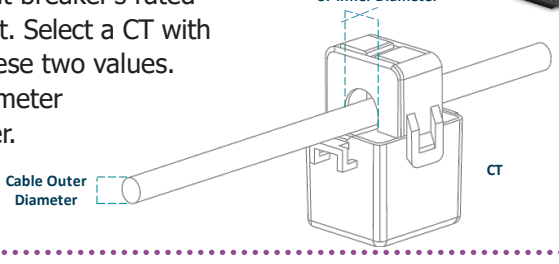


3

Current Transformer (CT) Selection

For different cable sizes, select the appropriate CT and meter to ensure optimal measurement accuracy:

- **Current Range** : Choose based on the circuit breaker's rated capacity and the cable's maximum load current. Select a CT with a current rating higher than the greater of these two values.
- **Cable Outer Diameter** : The CT's inner diameter must be larger than the cable's outer diameter.



4

Report and Concentrator

Choose between concentrators with or without touchscreens. They assist in collecting, calculating, storing, and managing power monitoring data. Configuration is easily completed through a web interface, streamlining the setup of the power monitoring system.



5

Cloud Management

Supports IoTstar cloud management software and integrates with cloud IoT platforms such as Microsoft Azure and IBM Bluemix.



Ordering Information

KIT-EMS-01	Portable Power Monitoring Suitcase

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