

# Insulated Modem IM for Smart Fieldmeter® Digital

## **IM Insulated Modem:** **Optically Isolated USB Communication and Charging** **Modem with Bidirectional Fiber Optic Link**

**IM** insulated modem is an accessory for Smart Fieldmeter® Digital **RFP-05M**. It allows direct connection to computer USB port, allowing both battery charging and PC communication. Internal optical isolation of the USB modem provides RF decoupling between the meter with connected RF probe and PC. Fiber optic ST ports can be connected to the byline communication fiber optic cable, totally eliminating any wiring that may affect the measured RF fields.

### Main Features

- Mounts at the bottom of **RFP-05M** meter.
- Plugs into USB port for PC communication.
- Dual ST fiber optic connectors.
- Optical isolation prevents RF coupling.
- Allows USB charging of **RFP-05M** battery.
- Lightpipe shows the charging LED status.
- **IM** doesn't need any additional power supply.
- All functions of the modem are fully automatic, and controllable from the meter software menu.
- Small size (WxHxD): 3x1.5x1 inch, 76x38x25 mm.
- Weight: 0.2 lb, 100 g.
- **IM** Comes in the following configurations:
  - **IM-MF** (Fiber optic and USB, connects to meter),
  - **IM-MU** (USB only, connects to meter),
  - **IM-PF** (Fiber optic, USB connects to PC).
- Choose **IM-MU** for all applications requiring RF isolated USB powering, battery charging and communication.
- Choose **FOLK-02 Kit** (IM-MF with IM-PF and 10meter fiber optic cable) for applications requiring fiber optic connection with communication. Longer cables are available on request.
- Designed and made in the **USA**.  
*Specification may be changed to reflect the design progress.*



**IM-MF**



**IM-MU**



**IM-PF**

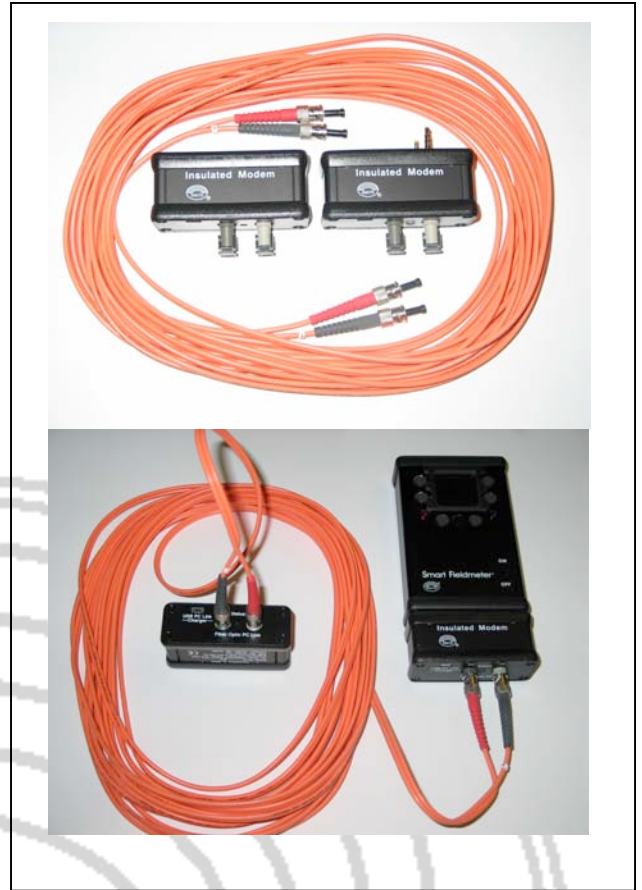
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# Insulated Modem IM for Smart Fieldmeter® Digital



**Meter RFP-05M with IM-MF**



**FOLK-02**

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