A7Z/A9U   Zero-Power ANSI Optical Probes

Communication Interface for ANSI Based Socket Meters

Features

■ Requires No Power Supply

■ High Speed – Up to 57,600 baud

■ ANSI Type 2 Compatible

■ Works Great with Nexus Series Socket Revenue Meters

■ Extra-flexible, 2 meter cable

■ Bidirectional Interface

■ Magnetic Adhesion

■ DTR Switch

■ Serial RS232 or USB Port

Specifications

Cable Assembly

Optical probe cable assembly consists of a probe measuring 1.25" in diameter by 1.25" long, and an extra-flexible, 2-meter cable.

DTR Switch

A Data Terminal Ready (DTR) signal is used as a switch that enables the probe to read meters. The A7Z and A9U are high speed, allowing data rates of up to 57,600 bits/second.

Power Supply

The optical probe requires no power supply. All power is received from the host computer serial port using transmitter and receiver circuits within the probe.

Port Configuration

The A7Z can be used with personal computers that have a standard RS-232 serial port (9-pin).

The A9U can be used with personal computers that have a USB 1.1 or USB 2.0 port.

The A7Z and A9U have a high impact ABS housing, and their dimensions are compatible with ANSI C12.18-1996.

Shipping Dimensions and Weight

Weight: 1 Lb
Dimensions: 8" x 6.4" x 3.5"

Ordering information

Order Number:
• **A7Z** *(with Serial RS232 Port)*
• **A9U** *(with Serial USB Port)*

Description

The A7Z and A9U are new ANSI type 2, zero-power, optical communication probes. Their bidirectional interface utilizes infrared light. These new optical communication probes provide an ANSI rated optical communication interface for programming and reading electric utility meters using a serial RS232 or USB port. Connecting to a serial port permits isolated communication with meters.

A7Z *with serial RS232 Port*

A9U *with serial USB Port*

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