A7Z Zero-Power ANSI Optical Probe
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

Description

The A7Z is a new ANSI type 2, zero-power, optical communication probe. The A7Z is a bidirectional interface that utilizes infrared light. This new optical communication probe pro-vides an ANSI rated optical communi-cation interface for programming and reading electric utility meters using a serial RS232 port. Connecting to a serial port, the A7Z permits isolated communication with meters.

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 is high speed, allowing data rates of up to 57,600 bits/sec-ond.

Power Supply

The optical probe requires no power supply. All power is received from the host com-puter serial port using trans-mitter 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 A7Z has high impact ABS housing, and its 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

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