ABACUS ELECTRICS

Communication House
Victoria Avenue
Camberley, Surrey, GU15 3HX
T. 020 8996 1693
E. pplunkett@cix.co.uk
W. www.abacuselectrics.com

ANSI Type 2 Zero-Power Optical Probe with DTR Switch and 9-pin female 'D' connector wired for the IBM-PC standard.

A7Z-P-D09F-1A	1 metre cable
A7Z-P-D09F-2A	2 metre cable
A7Z-P-D09F-3A	3 metre cable

The ABACUS ELECTRICS model A7Z Zero-Power ANSI optical probe is a bi-directional interface utilising infra-red light. Connecting to the serial port of a host computer it permits galvanically isolated communication with tariff meters as specified in ANSI C12.18-2006.

The probe requires no power supply. The transmitter and receiver circuits within the probe derive all necessary power from the host computer serial port.

The A7Z probe uses 'the virtual serial port' Data Terminal Ready (DTR) signal as a software controlled switch to enable the reading of meters such as the Landis + Gyr Quad 4+ and MAXsys 2510.

Specification:

Signal Levels:	Compatible with EIA232D and V28
Maximum Data Rates:	57600 bits/second
Power Supply:	None required - power is derived from host serial port
DTR Switching:	DTR negative: Normal mode, ANSI C12.18-2006 compliant DTR positive: Landis + Gyr (Siemens) compatible mode
Lead:	1, 2 or 3 metre extra-flexible cable, captive at probe
Connector:	9-pin female 'D' wired to the IBM-PC standard
Fastening:	Magnetic adhesion
Optical:	Compatible with ANSI C12.18-2006
Mechanical:	High impact ABS housing, dimensions compatible with ANSI C12.18-2006

Manufactured in the United Kingdom
by ABACUS ELECTRICS

Conforms to European Directives:
89/336/EEC (Electromagnetic Compatibility)
73/23/EEC (Low Voltage Directive)

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