



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

A8R-P-D09F-1A	1 metre cable
A8R-P-D09F-2A	2 metre cable
A8R-P-D09F-3A	3 metre cable

The ABACUS ELECTRICS model A8R 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 C12.18-1996 (U.S.A.) and AS 1284.10.2-1993 (Australia).

The probe requires a power supply. This is obtained via a flying lead to either a spare computer PS/2 keyboard/mouse socket or from a battery box.

The A8R probe uses the Data Terminal Ready (DTR) signal as a switch that enables the reading of meters such as the Quad 4+ and MAXsys 2510 from Siemens (formerly Process Systems, Inc.).

Specification:

Signal Levels:	Compatible with EIA232D and V28
Maximum Data Rates:	57600 bits/second
Power Supply:	+4.5 to +6.0 volts – 25mA maximum
Power Connector:	6-pin Mini-DIN – (PS/2 type mouse/keyboard type on flying lead)
DTR Switching:	DTR negative: Normal mode, ANSI C12.18-1996 compliant DTR positive: Siemens compatible mode
Lead:	1, 2 or 3 metre extra-flexible cable, captive at probe
Signal Connector:	9-pin female 'D' wired to the IBM-PC standard
Fastening:	Magnetic adhesion
Optical:	Compatible with ANSI C12.18-1996
Mechanical:	High impact ABS housing, dimensions compatible with ANSI C12.18-1996

Manufactured in the United Kingdom by
ABACUS ELECTRICS

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

