



## ***IEC Optical Probe with USB connector for desk- top and lap-top computers.***

**F9U-P-U04M-2**

2 metre cable

The ABACUS ELECTRICS model F9U IEC optical probe is a bi-directional interface utilising infra-red light. Connecting to the USB serial port of a desk-top or lap-top computer it permits galvanically isolated communication with tariff meters as specified in International Standard IEC 62056-21 (formerly IEC 1107).

The probe receiver is sensitive to visible red light as well as infra-red light additionally enabling communication with certain meters manufactured by Ampy Metering where a visible red emitter is used in the meter port.

Supplied with 'virtual serial port' drivers, the F9U probe may be used with Windows application software that expects a conventional probe to be connected to a standard RS232/legacy serial port.

### ***Specification:***

USB Interface:	USB 1.1 and USB 2.0 compliant
Power Supply:	Derived from host computer
Lead:	2 metre cable, captive at probe
Connector:	USB standard 'A' plug
Optical Interface	
Maximum Data Rate:	19200 bits/second
Fastening:	Magnetic adhesion conforming to IEC 62056-21
Optical:	Conforms to IEC 62056-21
Mechanical:	High impact ABS housing, dimensions conforming to IEC 62056-21
Software:	Virtual serial port drivers for Windows 98, Me, 2000, XP, Vista and Windows 7 – 32-bit and 64-bit.

Manufactured in the United Kingdom  
by ABACUS ELECTRICS

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

