

ABACUS IEC USB Optical Communication Probe

Model: F9U-P-U04M-2



TransData, Inc. is pleased to announce that it acquired the Abacus Optical Probe product lines from Abacus Electrics Limited in December 2019.

Production of the Abacus Optical Probes has been relocated to our factory in Dallas, Texas.

TransData's ABACUS F9U IEC Optical Communications Probe utilizes infra-red LED technology to provide a galvanically isolated, bi-directional communications link between computers and IEC electric meters for obtaining meter data, performing site diagnostics and making programming changes. Abacus Optical Probes are renowned for their superior reliability and capability of interfacing with the widest variety of manufacturers tariff meters.

The Abacus F9U Optical Probe features a standard USB computer interface and a magnetized head that attaches to the metal ring on IEC tariff meters. The Abacus F9U head contains precision engineered circuitry that converts electrical signals to infra-red light signals that are transmitted and received thru the electric meter cover as specified in International Standard IEC 62056-21 (formerly IEC 1107). The F9U's ABS plastic head protects users from electrical surges when connected to hard-wired optical ports and accidental contact with live wires.

The Abacus F9U uses "virtual serial port drivers" obtained via Windows device driver update feature that enables use with Windows application software that expects the optical probe to be connected to a conventional RS232 serial port.

Specification:

USB Interface:	USB 1.1, 2.0 and 3.0 compliant
Power Supply:	Derived from host computer
Lead:	6 metre cable, captive at probe head
Connector:	USB standard 'A' plug
Maximum Data Rate:	57,600 bits/second
Fastening:	Magnetic adhesion conforming to IEC 62056-21
Optical:	Conforms with IEC 62056-21
Mechanical:	High impact ABS housing, dimensions conforming to IEC 62056-21
Software:	Virtual serial port drivers for Windows XP, Vista, 7, 8, 8.1 and 10 - 32/64-bit

Conforms to European Directives:
89/336/EEC (EMC) and 73/23/EEC (LVD)
73/23/EEC (Low Voltage Directive)

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