

ABACUS®

F9U Optical Communication Probes for use with IEC (Euro) Electricity Tariff Meters and Gas Volume Correctors



For over 30-years, ABACUS Optical Probes have established a worldwide following based on superior reliability and compatibility with most popular brands of IEC Standard electricity tariff meters. ABACUS Optical Probes with the **BLUE Cable** include updated driver circuitry that's Windows 10 & 11 compatible and now use the Windows update feature to automatically download drivers. ABACUS Optical Probes utilize infra-red LED technology to provide an optically isolated communications link between computers and electricity meters for obtaining meter data, performing site diagnostics and making programming changes.

ABACUS Optical Probes feature a magnetized ABS plastic housing that attaches to the circular metal ring on IEC electricity meters and contains precision engineered circuitry that converts electrical signals to infra-red light signals that are transmitted and received thru the meter cover. Additionally, the ABS plastic housing provides galvanic isolation to protect users from electrical surges caused by accidental contact with live potential wiring in meter cabinets and connection to hard-wired optical ports.

ABACUS Optical Probes can be purchased with either the standard USB Type-A connector, or the newer USB Type-C computer connector. ABACUS Optical Probes can be purchased direct from TransData's e-store or from Amazon.com.

USB Type-A PC Connector Models

- A9U-P-U04M-2A (6 Feet, 1.8 M)
- A9U-P-U04M-3A (10 Feet, 3 M)
- A9U-P-U04M-5A (15 Feet, 4.5 M)



USB Type-C PC Connector Models:

- A9U-P-U04M-2C (6 Feet, 1.8 M)
- A9U-P-U04M-3C (10 Feet, 3 M)
- A9U-P-U04M-5C (15 Feet, 4.5 M)



Specifications

PC Connection	USB Type-A or USB Type-C Male Connector
Power Supply	None Required, Powered by Host Computer
Cable	Dual Shielded Blue PVC with Gold Plated Contacts
Maximum Data Rate	57,600 bits/second
Optical	Conforms to IEC 62056-21
Fastening	Magnetic Adhesion to Circular Metal Ring, Conforms to IEC 62056-21
Head Shell Construction	High Impact ABS Plastic Housing, Conforms to IEC 62056-21
PC Operating System	Compatible with Windows 11, 10, 7, 8, 8.1, Vista and XP
Product Compatibility	- IEC European Style Electricity Tariff Meters - North American Gas Volume Correctors

Only Blue Cable ABACUS Optical Probes Are Windows 10 & Windows 11 Compatible

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