

Universal

Optical Probe for Meter Reading



IEC

ANSI

PACT



UP-1001



Bluetooth Probe

- Optical
- Portable
- Inbuilt Battery

UP-1002



Bluetooth Probe

- RS232/RJ11
- Terminal powered
- Fixed

UP-1003



USB Probe

- Optical
- Device powered(USB)

UP-1004



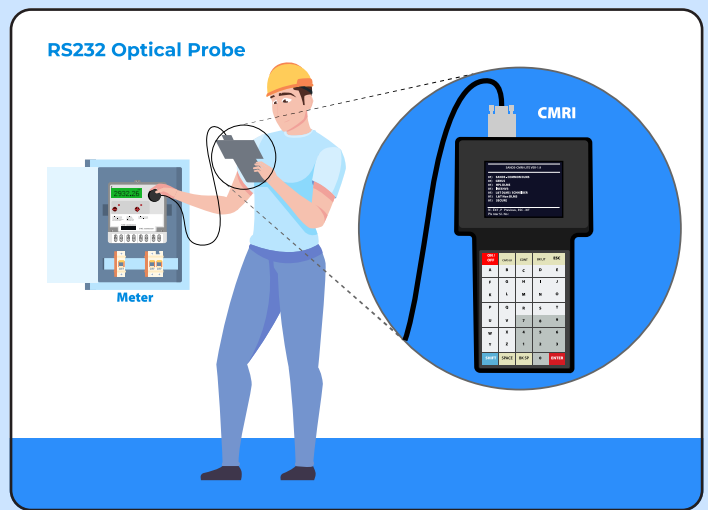
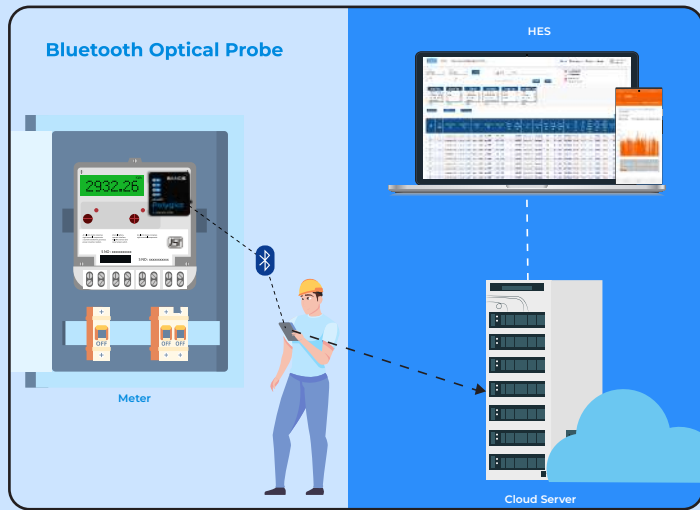
RS232 Probe

- Optical
- Device powered(CMRI/AMR)

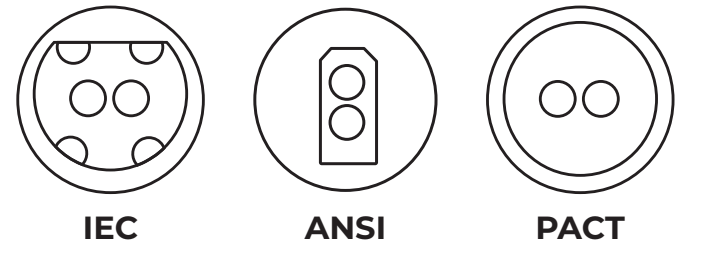
Smart Polyglot can communicate with all makes of meters, compliant to IEC, ANSI and PACT protocols via Bluetooth communications. This interfaces seamlessly with Linux, Windows, Android mobile and Microcontroller based devices with Bluetooth support. It can detect the commands from Bluetooth enabled devices and establish a connection automatically for meter reading applications.

USB Optical Probe can communicate with all makes of meters, compliant to IEC, ANSI and PACT protocols via USB port in Android mobile or PC with Linux or Windows.

RS232 Optical Probe can communicate with all makes of meters, compliant to IEC, ANSI and PACT protocols via serial port in Common Meter Reading Instrument (CMRI) or PC with DOS, Linux, Windows. With CMRI loaded with meter manufacturer specific meter reading software, this probe can read those meters too.



Salient Features	
Supported OS	DOS, Linux, Android & Windows
Standard / Protocol	DLMS: IEC 62056-21/ IS15959 Legacy: IEC-1107, ANSI, PACT
Data Communication Speed	300 to 38400 Baud Rate



Electrical Specifications				
	Bluetooth Optical Probe (In-built battery powered)	Bluetooth RS232 Probe (Meter terminal powered)	USB Optical Probe (USB powered)	RS232 Optical Probe (Device powered)
Power Supply	Li-Pol 3.7V / 1000mAh	Single Phase 240 V or 63.5 V	Power from USB Port	Power from RS232 Port
External Communication	Bluetooth V5.0, Class 1.5	Bluetooth V5.0, Class 1.5	USB	RS-232
Bluetooth Maximum Range	10 Meters	10 Meters	NA	NA
LED Indications	Power, Low BT, Rx-Tx, Chrg / Full Charge	Power, Rx-Tx.	NA	NA
Working Hours (continuous)	30 Hours	NA	NA	NA
Charging Time	upto 2 Hours	NA	NA	NA

Mechanical Specifications				
Cabinet Dimensions (L X W X H)	(56 X 48 X 29) mm	(92 X 58 X 26) mm	35 x27 mm	35 x27 mm
Cabinet Material	ABS Plastic	ABS Plastic	Nylon 66 Black	Nylon 66 Black
Charger Type	USB-B 5V-DC	NA	NA	NA
Weight	85g \pm 5%	75g \pm 10%	65g \pm 10%	100g \pm 10%
Cable and Connector	NA	NA	1 meter USB Type-A	1.5 meter RS-232
Basic Price (INR/USD)	₹6000 \$150	₹4750 \$120	₹2600 \$75	₹2150 \$65

Prices are subject to actual requirements, contact sales for pricing

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