KMK 138

BLUETOOTH OPTICAL PROBE

SMART BLUETOOTH OPTICAL PROBE

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**REDZ**
SMART COMMUNICATION

SMART BLUETOOTH CLASSIC BLUETOOTH LOW ENERGY (BLE) DUAL IN ONE OPTICAL PROBE

DIFFERENT WORKING MODES

REDZ KMK138 optical probe is designed in ANSI C12.18 Type 2 standard and it is compatible with all brands and types of ANSI meters. The probe has wireless Bluetooth connection (both Bluetooth classic and Bluetooth Low Energy - BLE in same device) thus it can easily be used with any Android or Windows based device with Bluetooth connection support. It can also be used with iOS devices with BLE support.

The probe can be used with constant baud rate and data types on meter side as well as in different operating modes such as command mode. The firmware also can easily be changed over Bluetooth.
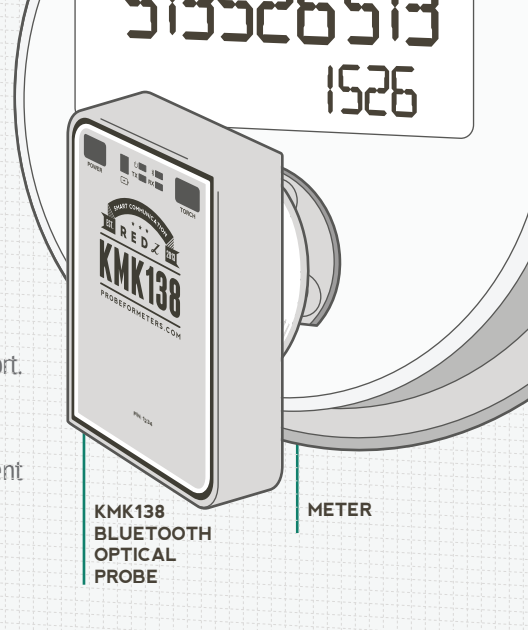
KMK138 BLUETOOTH OPTICAL PROBE

METER

MECHANICAL SPECIFICATIONS			
Diameter:	32 mm	Body and Back Cover Material:	ABS
Width:	~ 40 mm		
Height:	~ 55 mm		
Depth:	~ 25 mm	Transparent Parts:	Transparent Poly Carbonate
Magnetic Force:	N38	Weight:	~ 100 gr

TORCH FEATURE	
Torch LED:	3 mm White LED

PROBE SPECIFICATIONS			
Standard:	ANSI C12.18 Type 2	Operating Voltage:	3,3 V (Rechargeable battery powered through micro USB)
Data Communication Speed:	Max 38400 baud	Wavelength:	~ 900 nm
		Receiver Sensitivity:	Programmatically changeable on Command Mode

BLUETOOTH SPECIFICATIONS			
Standard:	Bluetooth Classic v4.1 Bluetooth Low Energy, version v4.0. Class 1 radio 1.5Mbps data throughput 128-bit encryption security	LEDs:	Charge, Power, BT Link, TX, RX
Operating Modes:	• 4800 baud 8N1 fixed • 9600 baud 8N1 fixed • 28800 baud 8N1 fixed • Command mode, etc. Operating modes can be changed instantly by easily upload firmware over Bluetooth connection	Battery:	600 mAh rechargeable battery powered. Battery can be charged over Micro USB or USB Type C Connector based on device version
Operating Hours:	~ 10 hours (more than 2200 nonstop readings)	Operating Distance:	Range up to 80m LOS