

Multifunctional Single-phase Meter MSD1



The MSD1 single-phase two-wire meter is a multifunctional tamper-proof electronic energy meter with impulse output, large LCD display, backlight, optical and IrDA Baud Rate communication, event detection and record. Its features include active energy and Maximum demand measurement, and instantaneous measurement of voltage, current and power.

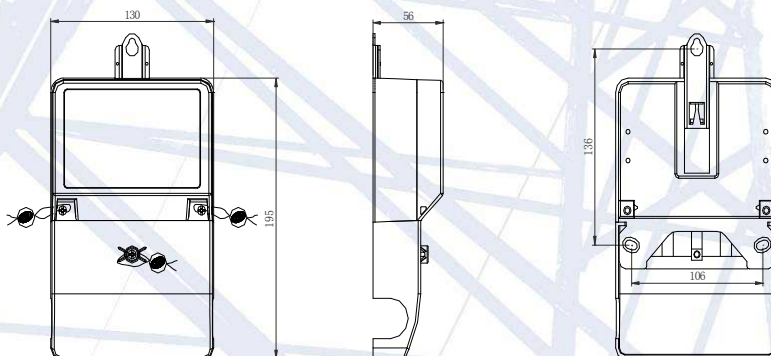
Designed in accordance with IEC 62053-21, IEC62052-11, and IEC62052-21

Technical:

Type:	Single-phase two-wire, direct connection
Accuracy:	Class 1
Reference Voltage:	230 ± 10%V
Reference Frequency:	50Hz
Current I _B (I _{max}):	10 (80A)
Starting Current (I _B %):	<=0.004
Meter Constant:	1600 imp/kWh
Internal Tariff Source:	2 tariffs, (Option 8 tariffs)
Output:	LED pulse output Optical port
Communication Interface:	IrDA Baud Rate (Other Options available) (According to IEC62056-21/IEC61107 Mode C)
Power Consumption:	
Voltage Circuit:	<=10VA
Current Circuit:	<=2VA

Environment:

Battery Life Time:	>=15 years
Internal Real Time Clock Accuracy:	<= 0.5 sec/day @ 23°C
Operating Temperature:	-20°C to 80°C
Storage Temperature:	-40°C to 85°C
Relative Humidity:	Up to 90%
Protection Rating:	IP 51
Weight:	0.7KG
Dimensions:	195x130x56 mm



Version 1.1

Technical Specifications subject to change without prior notice

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