



TYPE
SMW110

Technical Data

Electronic Meter SMW110 Advance Model

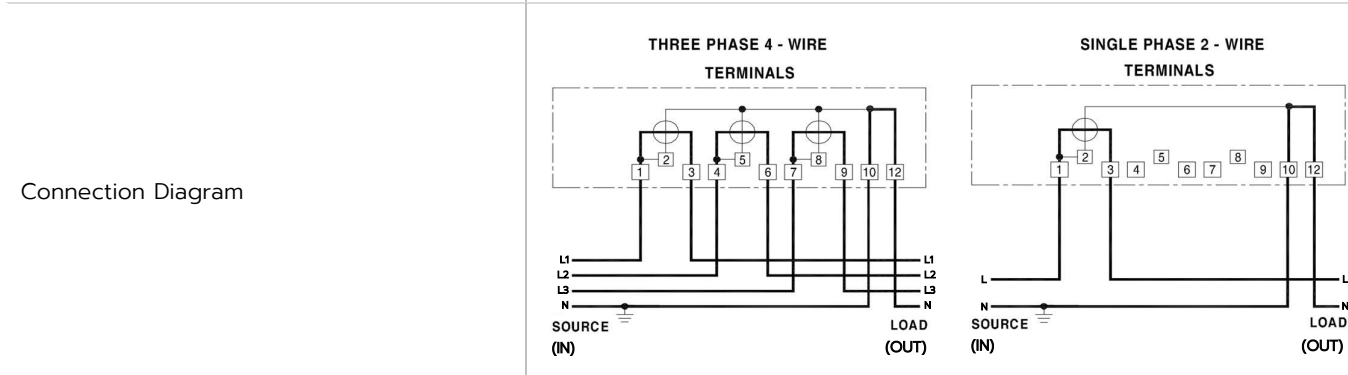
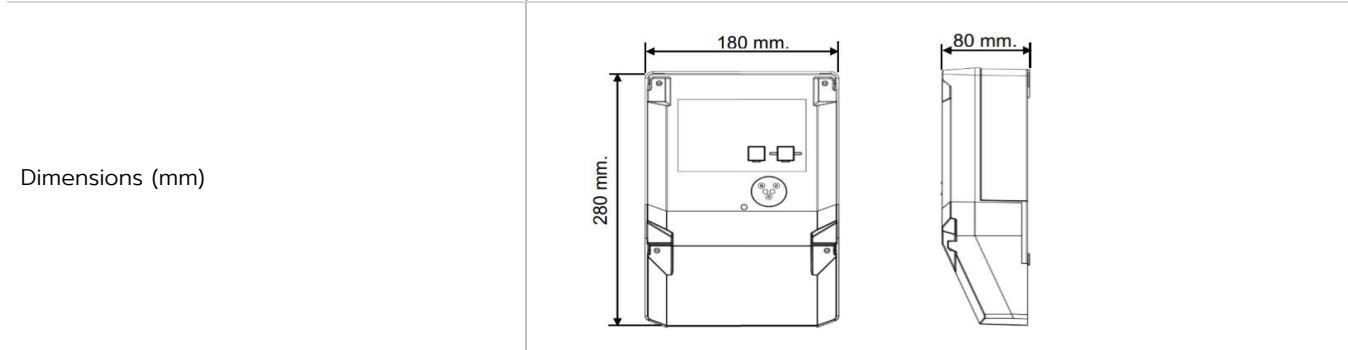
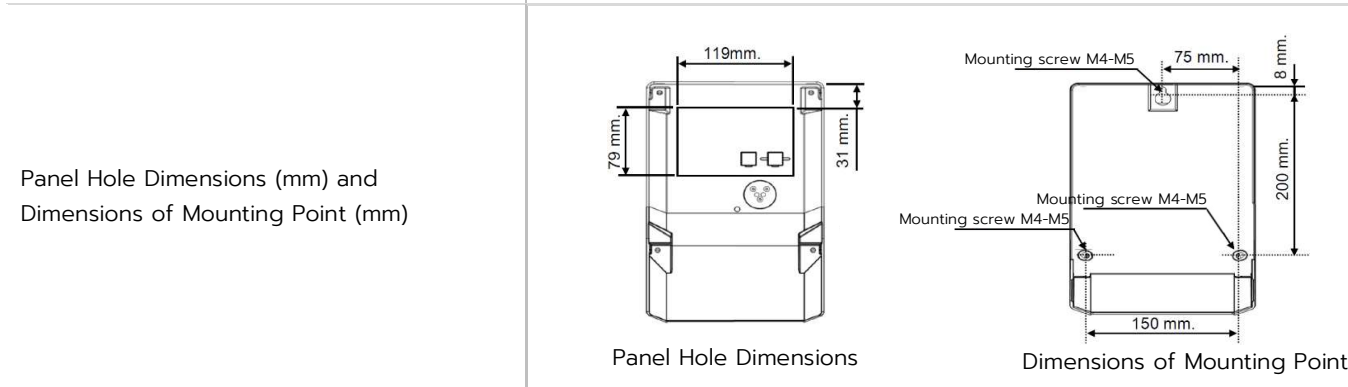
Model Code	SMW110-C07E
Standard	TIS 2543-2555, IEC 62052-11, IEC 62053-21
Display	LCD Display
Energy (kWh)	5 integer + 1 decimal
Display Item	Normal mode (automatic scrolling) : kWh (import), Date, Time
	Alternate mode (manual scrolling) : TOU kWh (import), TOU kWh (import) last billing, kW, Volt, Amp, PF, Phase angle, CT Ratio, Wiring Status, Date, Time, RS-485 Protocol, Modbus baud rate, Modbus address, ID code, Display test
	Backup mode (power failure) : kWh (import), CT Ratio, RS-485 Protocol
OPERATING CONDITION	
Power System	3-Phase 4-Wire 1-Phase 2-Wire
Reference Voltage	3-Phase 4-Wire : 3x220/380-230/400 V 1-Phase 2-Wire : 220-230 V
Operating Voltage	3-Phase 4-Wire : 165/285-264/457 V 1-Phase 2-Wire : 165-264 V
Rated Current	5(100) A
Reference Frequency	50 Hz
Temperature/Humidity	0-70 °C / 0-95 %RH (non-condensing)
COMMUNICATION / SOFTWARE	
Communications Port	RS-485 port and Optical port (physical IEC 62056-21)
Protocol	· Modbus RTU (default) · DLMS/COSEM (for using with UX EvaluationPro)
Accessories (Optional)	· Optical probe (physical IEC 62056-21) · RS-485 to ethernet converter, RS-485 Surge protector, Terminator 150
Baud Rate (bps)	· 19200 bps (for DLMS/COSEM) · 4800 (default), 9600, 19200 bps (for Modbus RTU)
Support Software	· UX EvaluationPro (Windows 10 or later) · Modbus Meter Setting (Windows 10 or later)
ELECTRICAL CHARACTERISTICS	
Accuracy	Class 1 (Active Energy)
Meter Constant	1000 imp/kWh
Power Consumption	
Voltage Circuit	< 2 W / 10 VA
Current Circuit	< 4 VA

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Starting Current	20 mA (at reference voltage)
Over Current	120 A (continue for 30 minutes)
Surge Immunity	6 kV (higher than IEC Standard 50%)
Impulse Voltage	8 kV (higher than IEC Standard 30%)

MECHANICAL CONSTRUCTION	
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Protective Class	Class II (double insulation)
Enclosure Protection	IP54
Applicable Conductors	25-50 mm ²
Mounting	3 points
Battery	Lithium (long lifetime and replaceable)
Weight	1.48 kg



Specifications are subject to change without notice.