

The MCP-SO: How can the industry's best meter also be the least expensive?



Made to Measure

The Most Advanced, Top Quality, and Most Cost-Efficient Meter on the Market

The MCP-SO has it all. The best quality, highest reliability, and lowest price per meter point. If that sounds too good to be true, you should know that Sieco-Tech made our name on innovation that makes clients' dreams a reality.

The secret is this: a one of a kind, plug-and-play design that allows clients to customize the number of units monitored by any given panel. You'll no longer have to pay for equipment your business can't actually utilize, reducing costs significantly. The MCP-SO allows you to expand as your business needs require. But that's not the only way the MCP-SO saves your business money.

Any time an ordinary meter would need to be uninstalled for processes like accuracy re-verification, the MCP-SO eliminates expensive extra steps. The meter's electronics module can easily be removed as needed without having to remove anything else from the panel.

Longer battery life, robust materials, superior security: when it comes to quality, we know what our clients need, and we sweat the details to make sure the product they receive is better than they imagined could be possible. With innovative spirit, rigour, and commitment to truly serving our clients, we provide solutions that cut costs without ever cutting corners.

The MCP-SO was built with versatility in mind, and, as such, it is suitable for both new construction and retrofit projects, and optimized for both residential and commercial applications. The modular design of the meter allows connecting metering modules together, each of which can serve six residential or four commercial units, all from a single voltage feed.

Save money, lower your carbon footprint, and be assured that your organization is making use of the highest quality and most reliable solutions the sub-metering industry has to offer.



Features



EASE OF SERVICE

- Meter can be easily removed from the meter base for exchange (service work, accuracy sampling, upgrades) and is secured by door/seal at other times
- Built-In CT shorting mechanism and test port



EASE OF INSTALLATION

- CT cables supplied with 12 CTs pre-spliced, labeled and quality checked



THREE LEVELS OF UTILITY SEALING

- Meter Seal (S-E-02), Terminal Seal (S-E-04), Door Seal



INSTALLATION CERTIFICATION TOOLS

- Built-in connector for CT tracing integrated into meter design



OPTIMIZED CONFIGURATIONS

- Versatile configuration for both residential and commercial applications



DESIGN & BATTERY LIFE

- 30-Year design life, 30-Year clock battery



STORAGE CAPACITY

- 6 months on meter data storage capacity



INSIGHT

- Revenue grade metering



ACCESSIBILITY

- Compatible with gateways from multiple vendors, including LYNKED



SECURITY

- Tamper Switch on Meters
- G3-PLC option secured by OFDM PSK
- Wi-SUN Encryption



COMMUNICATIONS

- Options of Ethernet, G3-PLC or LYNKED Mesh RF (Wi-SUN)



MODULAR CONSTRUCTION

- Add or remove meter modules and parts with ease
- Expandable in 12-CT increments to scale metering capacity

Models Available

Residential	<p>Available in three models, each supporting a different communication medium: Ethernet, G3-PLC, or LYNKED Mesh RF (Wi-SUN).</p> <p>Every model includes:</p> <ul style="list-style-type: none"> • Communication Card – matched to the chosen communication medium • Pre-Manufactured CT Cables, 300V Rated, 12 CTs, 10 ft (3 m), RJ-45 Connectors
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Features

Voltage Ratings	120V, 208V, 240V, 277V
Current Ratings	0.8mA – 100mA, 12 Current Inputs per Module
Energy	kWh, kVARh, kVAh, Delivered, Received & Net
Demand	kW, kVAR, kVA, Delivered, Received & Net
Instantaneous	Volts, Amps, PF, kW, kVAR, kVA, Frequency
Meter Configurations	2EL-3W 1PH, 2EL-3W Network, 3EL-4W, 1EL-2W
Dimensions	Each module is: 11.0cm H x 30.2cm W x 8.3cm D (4.3" H x 11.9" W x 3.3" D)
Storage	6 months inside Meter Module
Design Life	30-year
Clock Battery	30-year
Temperature	-25°C to 53°C
IP Rating	Indoor Use (NEMA 4 Enclosure available for outdoors)
Humidity	0 to 90% non-condensing
Accuracy Class	0.5 Class

Approvals & Certifications

Measurement Canada S-E-06 (AE-2653)
ANSI C12.20
California CTEP
CSA/UL/IEC 61010
FCC, Part 15, Subpart B
Industry Canada CS-03

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