

The MCP: 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 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 allows you to expand as your business needs require. But that's not the only way the MCP saves your business money.

Any time an ordinary meter would need to be uninstalled for processes like accuracy re-verification, the MCP 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 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 panel can accommodate up to six metering modules, each of which can serve six residential or four commercial units, for a total of up to 36 residential suites or 24 commercial units served by a single metering panel.

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
- Field replaceable components (Power Supply, LCD, Display MCU)
- Built-In CT shorting mechanism and test port
- DCU Software is upgradable in the field (per MC PS-E-17 spec)

FUTURE COMMUNICATIONS EXPANSION IN DCU (NOT SEALED)



- Via USB – V.90 modem, Daisy Chain Ethernet, Cellular Modem
- MODBUS TCP and RTU (RS-485)
- BACnet IP

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



- 5-year on meter data storage capacity

INSIGHT



- Revenue grade metering

EXPANSION SUPPORT



- DCU features expandable in field without breaking meter seal
- USB expansion ports for additional hardware

ACCESSIBILITY



- Remote real-time reading access

SECURITY



- MCP data transmissions are secured using AES-256 bit CBC encryption to ensure confidentiality
- SHA256 hash algorithm authenticates data channel packets to ensure integrity
- Tamper detection on both meters and DCU

COMMUNICATIONS



- Ethernet Port or G3-PLC between floors

MODULAR CONSTRUCTION



- Can add/remove meter modules and parts
- Expand from 12 CTs up to 72 CTs

Models Available

Residential	Pre-Manufactured CT Cables, 120V-240V CT Cables Residential – 10ft (3m), RJ-45 Connectors
Commercial 240V	Spring Loaded CT Terminals, 120V-240V
Commercial 120V-347V	Spring Loaded CT Terminals, 120V-347V
Commercial 600V Delta	Spring Loaded CT Terminals, 300V-600V CTs Commercial – 10ft (3m) CT Leads, (Red/Wht, Blk/Wht, Blu/Wht)

Features

Voltage Ratings	120V, 208V, 240V, 277V, 347V, 416V, 480V, 600V
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, 2EL-3W Delta, 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, 5 Years in DCU/Display (at 1hr Intervals, 10 Registers)
Design Life	30-year
Clock Battery	30-year
Temperature	–40 to 70 Deg 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-2616)
ANSI C12.20
California CTEP
CSA/UL/IEC 61010
FCC, Part 15, Subpart B
Industry Canada CS-03

Call for a demo
+1 548-689-9200
info@siecotech.com

Visit us at siecotech.com

