

QBRICK 1

SINGLE-POINT ELECTRIC METER

The QBrick™ 1 is a single-point revenue grade electric meter in a compact, rugged enclosure.

The QBrick 1 is easy to install and operate. Its space saving footprint is designed for use in retrofit and new construction.

QBrick metering data is retrieved by the system's meter data hub and pushed directly to Quadlogic's cloud database for easy customer access.



BENEFITS:

- A self-contained, compact, rugged enclosure saves significant installation costs
- Monitors one 3-phase circuit
- Daisy chain up to 247 Q-Family meters to a single QTao™ (meter data hub) for remote access to meter data
- Measures kWh, kvarh, kVArh, and kVAh
- Measures true RMS Volts, Amps, Watts, power factor, and frequency
- Meets all requirements of ANSI C12.20
- 60 Days of 5 minute interval data stored internally for all parameters
- Detailed event recording for diagnostic purposes
- 3 Year battery backup for Real Time Clock (when power is lost)
- Hardware lockable meter configuration
- Communication setting reset button
- LEDs to indicate power and communication status
- Secure and reliable non-volatile flash memory
- Optional display unit for visualization of real time meter status. Daisy chain up to 16 Q-Family meters per display unit.
- Five-year hardware warranty
- ETL approved to meet UL 61010 safety standards

TECHNICAL SPECIFICATIONS

Metering Voltage	3-phase, 1 metering load, 90-600 V (Auto-Ranging), Wye/Delta
Current Input Rating	0.1 Amp secondary current transformers (CTs)
Data Accessibility Options	Automated data push to cloud database, local display unit, feed into building management system using Modbus or BACNet protocols
Current Input Configuration	One 3-phase circuit
Accuracy	ANSI 0.5 class accuracy (with ANSI 0.1 class CTs)
Communication	Modbus RTU over standard 2-wire RS485, Optional: daisy chain up to 16 Q-Family meters to local display unit, daisy chain up to 247 Q-Family meters to meter data hub (QTao)
Memory	Non-volatile memory stores 60 days of 5 min interval data & 1000 event records
Interval Programming	5 min interval data, 288 intervals per day
Power Consumption	<12 Watts
Dimensions	L x W x D = 10.5"x 5"x 2.7"
Weight	4 lbs.
Operating Temperature	-20°C to 55°C
Environment	Retrofit or new construction, indoor installation, dry non-condensing
Power Input Voltage	85 ~ 265 VAC/DC
Pulse Constant	1 Wh/pulse
Mounting Options	DIN rail, wall mounting, optional NEMA enclosures

Note: Above specifications are subject to change without notice

ORDERING INFORMATION

MODEL NUMBER	METER POINTS	PHASE
QBRICK-JQ-3P1M	1	3-phase