

PowerHawk 6320

ANSI C12.20, 0.5 multi-point sub-meter deploying up to 50 qty. 80mA solid-core CTS in revenue applications. Configurable as 20 two-phase, or 10 three-phase + 10 two-phase meters. Ethernet communications with native Modbus TCP plus integrated V.90 telephone modem.

Listed/approved: Measurement Canada, California



Product Specification

Product Numbers and Variants

Product Number	Product Name	Listings/Approvals for Revenue Applications
900-112-01-MOD	PowerHawk 6320 ETH + MOD (120V-60Hz)	Canada (MC), CA (CDFA)

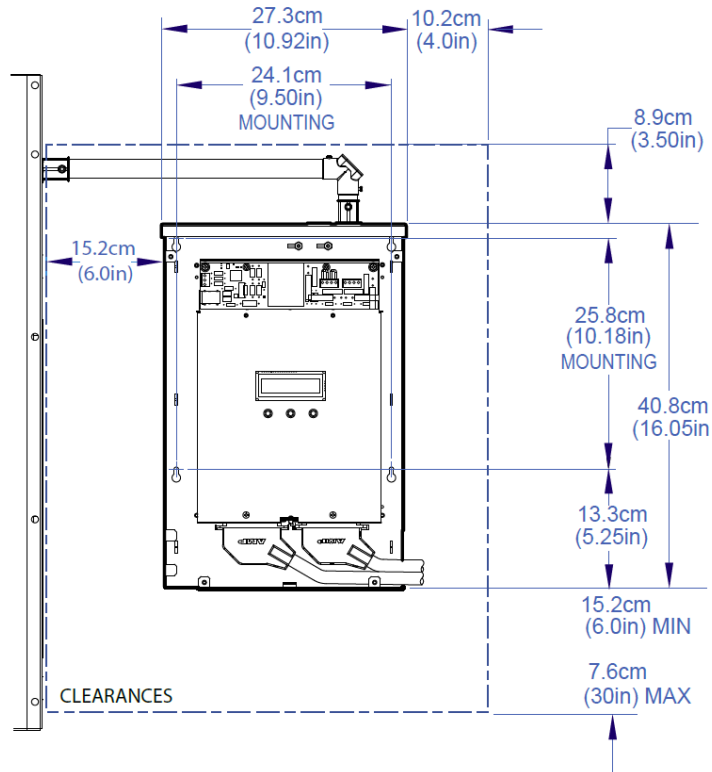
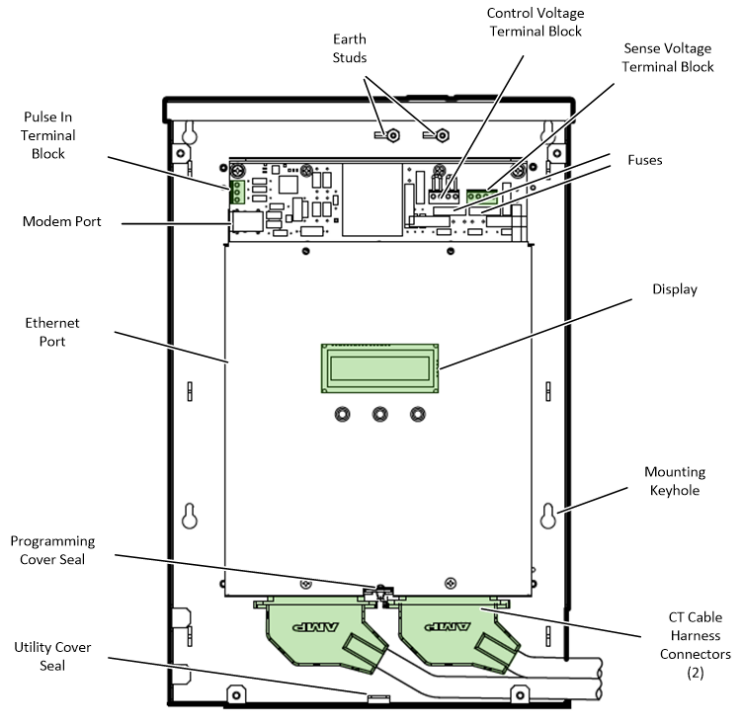
Features and Specifications

- Electronic solid state device configurable as:
 - 20 two-phase meters
 - 10 three-phase + 10 two-phase meters
- Measures:
 - Active Power
 - Pulse Count
 - Voltage
- Interfaces to 80mA output CTs or 5A:80mA CT convertors
- 120/208V or 120/240V Service voltages
 - Higher voltages with external PTs
- On-board Liquid Crystal Display
- On-board non-volatile flash memory is unaffected by power outages and holds up to 2 years of meter data (1 hour intervals) for 20 years
- On-board real-time clock with battery back-up holds time up to 10 years
- One on-board pulse input (2 wire) compatible with dry form A and solid state form A contacts, collects data from other pulse-out meters (gas, water or electric)
- Multi-point economic efficiencies for retrofit or new construction
- Remotely configurable and upgradable with Ethernet connectivity

Reporting and Communications

- AMR via FTP data push over IP or MODEM;
 - Plain text CSV file
 - Measurement Interval: 1 to 60 minutes
 - Reporting interval: once/day or every N min.
- Logged Measurements for AMR (interval and register):
 - Wh delivered
 - Vrms
 - Pulse count
- BAS Integration via Modbus TCP/IP.
- On-board Web server and Liquid Crystal Display for local readings
- Ethernet Interface
 - 10/100BaseT Full Duplex
 - DHCP Client or static IP address
 - Passive FTP port 21
 - NTP port 123
 - Modbus TCP/IP port 502
 - HTTP port 80

Internal View and Dimensions



Specifications

MECHANICAL	
Dimensions	Height: 16.0 in. (40.8cm) Width: 10.9 in. (27.3 cm) Depth: 2.5 in. (6.4 cm)
Weight	5.5 lb (2.5 kg)
ELECTRICAL	
Reference input voltage	120/208V, 3W+N+PE 120/208V, 2W+N+PE 120/240V, 2W+N+PE
Voltage tolerance	108V to 127V
Maximum Current	125A, 60Hz
Fuse ratings	F1, F2, F3: T80 mA or T100 mA, 250V F4: T80 mA or T125 mA, 250V
Required Current Transformers Measurement Category III	80 mA secondary CT CT burden: 20 ohms Must be UL recognized/listed
Pulse input	Dry form A and solid-state form A compatible. Internal 3.3V pull-up Maximum frequency 10 Hz Minimum pulse width 20 MS
REGULATORY	
Measurement accuracy (0.5% with 0.3% CTs)	ANSI C12.1 and C12.20 Class 0.5 IEC 62053-22 Class 0.5S
Safety	CAN/CSA-C22.2 No.61010-1-04 and UL Std. No. 61010-1 2nd Ed
Emissions	FCC Part 15, Class A, ICES-003
Surge power/telephone lines	TIA968-A: 2002, CS03
COMMUNICATIONS AND MEMORY	
On-board Ethernet port	10 BaseT, Full Duplex
On-board modem	V.90
Non-volatile memory storage	Up to 2 years of data at 1 hour data intervals, (may be reduced by event logs) 20 Years storage time
ENVIRONMENTAL	
Operating temperature	0 to 50°C
Operating humidity	5% to 90% non-condensing
Usage environment	Indoor or enclosed outdoor environment
Maximum altitude	6562 ft (2000 m)
Pollution degree	2
Installation category	II
Measurement category	III