

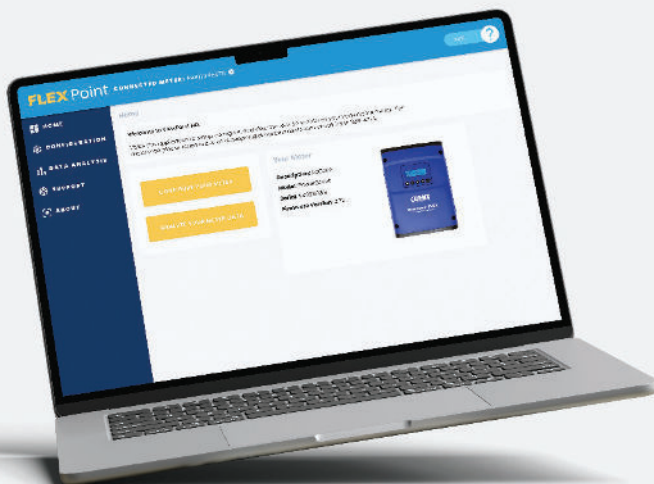
POWERSCOUT™ FLEX12

Energy Metering Made Simple

REVENUE GRADE INSTRUMENTS FOR SUPERIOR ENERGY MEASUREMENT



PowerScout™ FLEX 12 is DENT's next-generation multi-circuit submeter engineered for faster setup, smarter commissioning, and clearer system insight. Replacing the PowerScout™ HD, FLEX simplifies installation, enhances configuration workflows, and delivers accurate, real-time data across a wide range of electrical environments. Whether deploying in the field or overseeing large-scale facilities, FLEX provides the flexibility, performance, and control today's teams need.



FLEXPoint™ (PC Software)

Choose the method that fits your workflow with no compromises. A completely rebuilt configuration experience with:

- A modern, cleaner interface
- Guided workflows that reduce setup time
- Smarter defaults to eliminate guesswork
- Intuitive Setup Tools Built for Real-World Workflows



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BEMSIQ
GROUP



APPLICATIONS

- Hospitals
- Data Centers
- Tenant Submetering
- Bi-Directional Metering
- Commercial & Industrial Monitoring
- HVAC, Pumps, Motors & Equipment Loads

FEATURES

- **12 channels:** Multi-circuit submeter monitors voltage, current, power, energy, and many other electrical parameters on any combination of single and/or three-phase systems.
- **Line-Powered:** 90-600V Phase-to-Phase Power Supply.
- **Revenue-Grade Accuracy:** Meets ANSI C12.1-2024 Class 0.2 (dependent on CT selection).
- **Flexible Hardware Options:** Available with UL 94-V0 enclosure or as a circuit board on a mounting plate that helps facilitate easy, safe installation.
- **High-Voltage Protection:** TouchSaf™ High-Voltage Cover offers additional level of protection.
- **Dual-Protocol Communications:** The PowerScout™ FLEX 12 uses both BACnet or Modbus protocol and features 4 digital pulse input ports. All models feature both serial and Ethernet.
- **Floating Point Data Format:** IEEE-754 data format allows for bidirectional monitoring and eliminates scaling factors.
- **Universal CT Compatibility:** Mix-and-match a full range of CTs including Solid Core, Split Core or RōCoil™ (Rogowski Coils). Revenue-grade options available.
- **Real-Time Display:** Integrated LCD shows meter status, configuration, and live metered values.
- **PhaseChek™ Verification:** Confirms correct CT orientation and phase matching. Reduces installation errors.
- **Certified and Compliant:** UL Listed (enclosure), UL Recognized (plate/board), and CE Marked.

FLEXPoint™

FEATURES



FLEXPoint™ GO Web Server

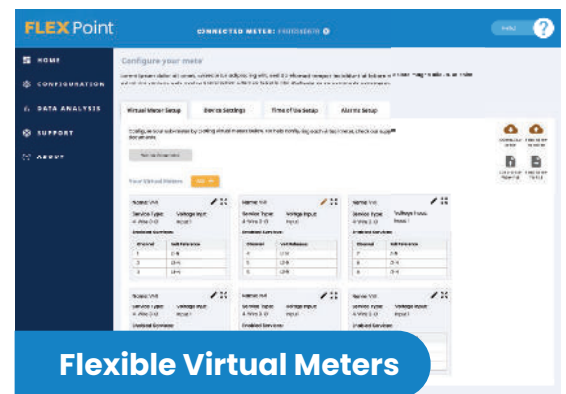
- PowerScout™ FLEX on the Go.
- Configure the meter instantly from any browser, no installation required.
- Perfect for quick changes, onsite validation, and field troubleshooting.

Flexible Virtual Meters for Cleaner, More Efficient Installations

Assign any CT channel to any load, in any combination. Virtual Meters let you:

- Create single-phase, split-phase, or 3-phase groupings
- Label loads the way your site is organized
- Track those labels everywhere: FLEXPoint™ and FLEXPoint™ GO, the LCD, registers, and the cloud
- Meter multiple loads per device with less hardware

FLEXPoint™ reduces complexity and helps teams design systems that match real-world electrical environments.



Smart Set-up and Labeling System for Clear, Consistent Load Tracking

Say goodbye to time consuming setups and mismatched labels across devices and software.

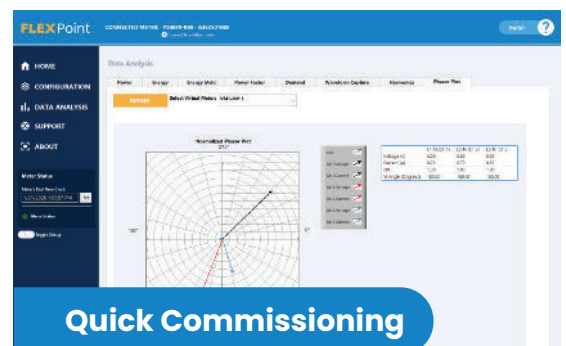
- Save time on every install with smarter setup tools, flexible metering options, and a straightforward UI.
- FLEXPoint™ ensures Virtual Meter names appear consistently across:
 - PC configuration
 - LCD display
 - Exported register data
 - Cloud-integrated systems

Simplified Integration for Faster Commissioning

PowerScout FLEX removes the pain points that slow down integrators.

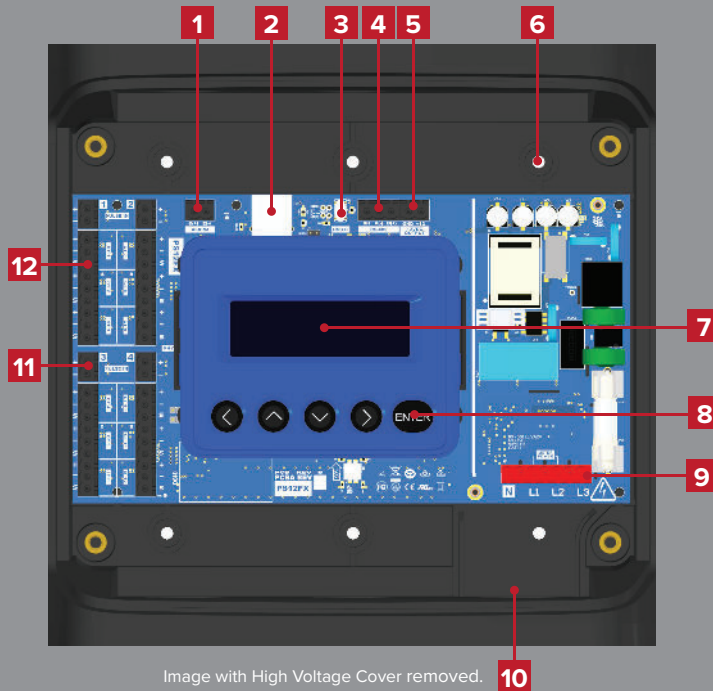
- **Flattened Modbus register map.** All Virtual Meters accessible via a single meter address.
- **Improved performance for system developers.** Faster response times, streamlined register structure, and clear data conventions.

FLEXPoint™ is backward-aware, forward-ready, and easier to drop into any existing workflow.

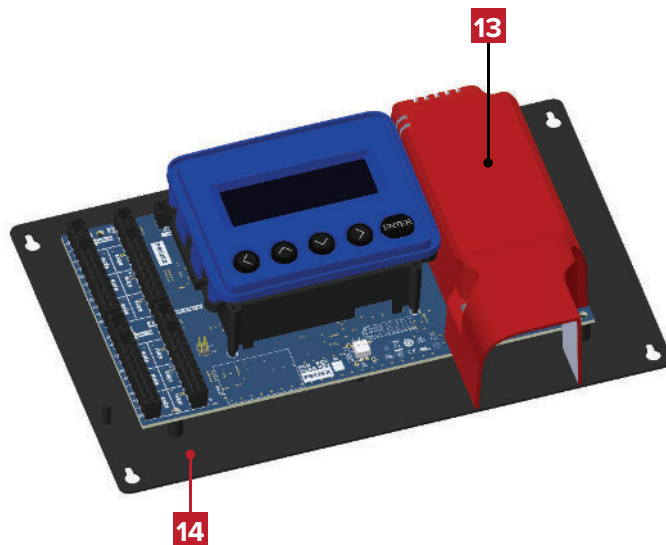


POWERSCOUT™ FLEX12

ANATOMY



- | | |
|-------------------------------|------------------------------------|
| 1. Alarm | 11. Pulse Inputs (4 total) |
| 2. Ethernet | 12. CT Inputs (12 total) |
| 3. USB | 13. High Voltage Cover |
| 4. RS-485 | 14. Mounting Plate |
| 5. 12V Out (2W) | 15. ABS Plastic Enclosure |
| 6. Mounting Hole | 16. 1" EMT Conduit Connection (x6) |
| 7. Display | |
| 8. Navigation Buttons | |
| 9. Voltage Connection | |
| 10. 1" EMT Conduit Connection | |



QUICK TRANSITION FROM POWERSCOUT™ HD

Set Up Faster, Your Way
Configure using FLEXPoint™ (PC software) or FLEXPoint™ GO (any browser)

Meter More with Less Hardware
Use Virtual Meters to group loads however your site is organized

Keep Load Labels Clear Everywhere
Apply one name per load and see it consistently across: Software, Displays, Data exports, and Cloud systems



Detailed information about the PowerScout™ FLEX meter hardware, set-up, and FLEXPoint™ Software can be found in the Operator's Guide.

SPECIFICATIONS

[illegible]

COMMUNICATIONS	
HARDWARE	RS-485, Ethernet, and USB (for configuration only)
SUPPORTED PROTOCOLS	Modbus RTU, BACnet MS/TP, Modbus TCP or BACnet IP
MAX COMMUNICATION LENGTH	1200 meters with Data Range of 100K bits/second or less
COMMUNICATION RATE (BAUD)	Modbus: 9600, 19200, 38400, 57600, 76800, 115200 baud BACnet: 9600, 19200, 38400, 76800
DATA BITS	8
PARITY	None, Even, Odd
STOP BIT	2, 1
TERMINATION	None provided

MECHANICAL	
WIRE CONNECTIONS	12-28 AWG 600 VAC, Voltage connection must be #14 AWG or larger & 600 VAC rated
MOUNTING	Panel Mount/Enclosure
HIGH VOLTAGE COVER	IP30. Available with PS12 Enclosure Models
OPERATING TEMPERATURE*	-20° to 60°C (-4° to 140°F)**
HUMIDITY	5% to 95% non-condensing
ENCLOSURE	ABS Plastic, 94-V0 flammability rating. Connections: 1" EMT conduit
ENCLOSURE DIMENSIONS	(L) 24.8cm x (W) 25.1cm x (H) 8.0 cm (9.8" x 9.8" x 3.1")
MOUNTING PLATE	
DIMENSIONS	(L) 17.8cm x (W) 26.3cm x (H) 8.0 cm (7.0" x 10.4" x 3.1")

CERTIFICATIONS	
UL RECOGNIZED (E186827)	Applies to mounting plate version Conforms to UL Std 61010-1 3rd Edition Certified to CSA Std C22.2 No. 61010-1 3rd Edition Conforms to UL Std 61010-1 3rd Edition IEC (EN 61010)-1 EMC (EN 61326) and RoHS 3 (IEC 63000:2018)
CE UL LISTED (E186827) ANSI C12.10 CLASS 0.2	NIST Traceable Calibration

FLEXPoint™ SOFTWARE	
OPERATING SYSTEM	Windows® 11, Windows® 10
COMMUNICATIONS	USB & Ethernet standard. One USB Port required on PC.
SECURITY	2 levels of PIN protection (Read/Write or Read-Only)

Ordering Part Numbers	
PS12FX-C-D-N	POWERSCOUT 12 FX, WITH ENCLOSURE + DISPLAY
PS12FX-C-N-N	POWERSCOUT 12 FX, WITH ENCLOSURE, NO DISPLAY
PS12FX-P-D-N	POWERSCOUT 12 FX, MOUNTING PLATE + DISPLAY
PS12FX-P-N-N	POWERSCOUT 12 FX, MOUNTING PLATE, NO DISPLAY
PS12FX-C-D-N-D	POWERSCOUT 12 FX, WITH ENCLOSURE + DISPLAY, DENTCloud Enabled

*At -20°C, LCD display could be illegible. Meter voltage @ -20°C must exceed 100 VAC to power the meter.
**Colder temperatures require higher voltage to power the meter.

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