

POWERSCOUT™ FLEX 3

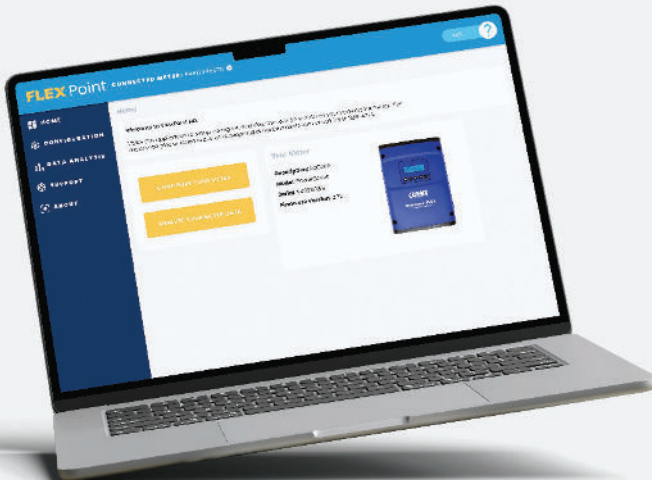
Energy Metering Made Simple

REVENUE GRADE INSTRUMENTS FOR SUPERIOR ENERGY MEASUREMENT



Available in 2 form factors

PowerScout™ FLEX 3 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



PART OF
BEMSIQ
GROUP

APPLICATIONS

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



FEATURES

- **3 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 in Wall Mount or DIN Rail form factors.
- **High-Voltage Protection:** TouchSaf™ High-Voltage Cover offers additional level of protection.
- **Dual-Protocol Communications:** The PowerScout™ FLEX 3 uses both BACnet or Modbus protocols. 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:** The Wall Mount enclosure and DIN Rail are UL listed and CE marked.

FLEXPoint™ FEATURES



FLEXPoint™ GO Web Server

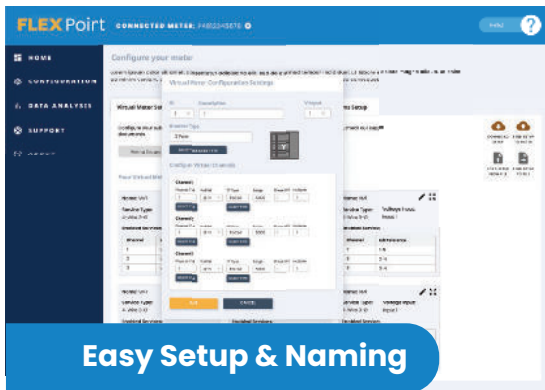
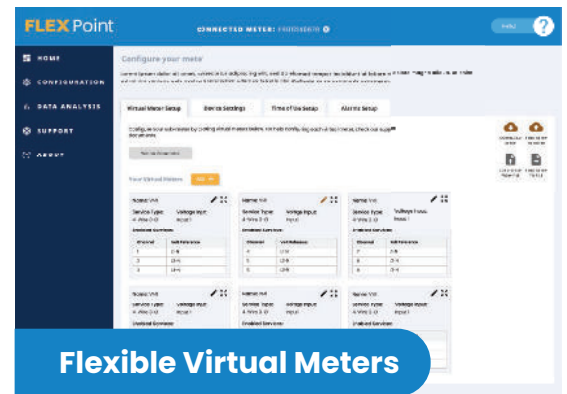
- PowerScout™ FLEX on the Go.
- Configure the meter instantly from any browser, no installation required.
- Perfect for quick changes, onsite validation, and field troubleshooting.

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, 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.

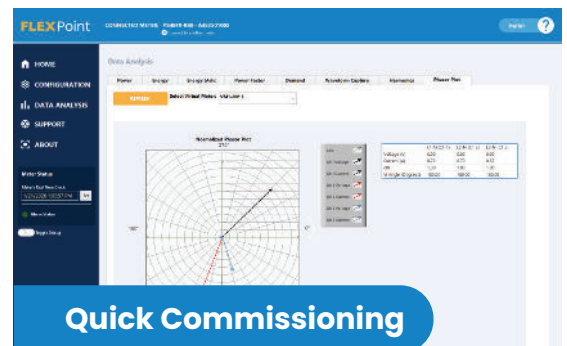
- Save time on every install with smarter setup tools, flexible metering options, and a straightforward UI.
- FLEXPoint™ ensures Virtual Meter names appear consistently across:
 - PC configuration
 - Exported register data
 - Cloud-integrated systems

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™ FLEX 3 ANATOMY

TWO AVAILABLE CONFIGURATIONS

DIN RAIL MOUNT ENCLOSURE

PS3FX-R-D-N



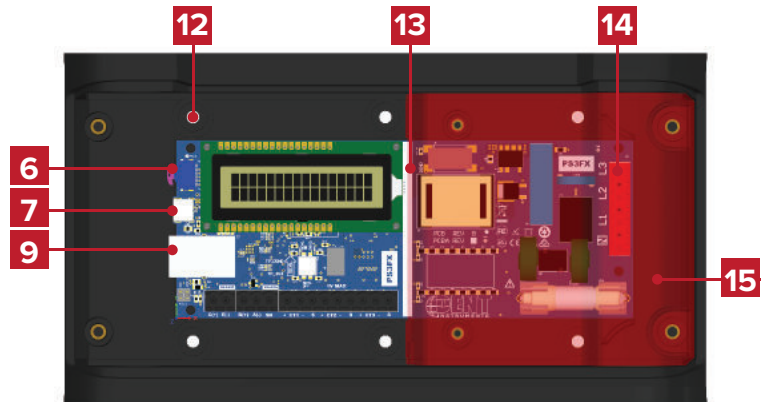
1. Display
2. High Voltage Cover
3. CT Connections (x3)
4. Serial RS-485
5. Alarm
6. Thumb Wheel for Menu Navigation
7. USB-C
8. DIN Rail Channel
9. Ethernet Port

WALL MOUNT ENCLOSURE

PS3FX-C-D-N



10. 0.5" Conduit Connection (x3)
11. Wall Mount Enclosure Top
12. Mounting Holes
13. PS3HD Circuit Board
14. Voltage Connection
15. High Voltage Cover (transparent in photo)



Available to be mounted in the external enclosure of your choice or as a self-contained wall-mounted enclosure option.

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, 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.

POWERSCOUT™ FLEX3

SPECIFICATIONS

TECHNICAL

SERVICE TYPE	Single Phase, Three Phase-Four Wire (WYE), Three Phase-Three Wire (Delta)
POWER	From L1 Phase to L2 Phase. 90-600VAC RMS CAT III 50/60 Hz, 500 mA AC Max
AC PROTECTION	0.5 A internal fuse protection. 200 KA interrupt.
VOLTAGE CHANNELS	80-346 Volts AC Line-to-Neutral, 600 V Line-to-Line, CAT III.
CURRENT CHANNELS	3 channels, 0.525 VAC max, 333.3 mV CTs, 0-4,000+ Amps depending on CT
MAXIMUM CURRENT INPUT	150% of current transducer rating (mV CTs) to maintain accuracy. Measure up to 4000 A with R6Coil CTs
MEASUREMENT TYPE	True RMS using high-speed digital signal processing (DSP)
LINE FREQUENCY	50/60 Hz (45-65 Hz measurable range). Measurement taken L1-N.
SAMPLING	Continuous 7.2 kHz (No blind cycles)
PARAMETER UPDATE RATE	1.0 second
MEASUREMENTS	Volts, Amps, kW, kVAR, kVA, aPF, dPF, kW demand, kVA demand, Import (Delivered) kWh, Export (Received) kWh, Net kWh, Import (Delivered) kVAh, Export (Received) kVAh, Net kVAh, Import (Delivered) kVARh, Export (Received) kVARh, Net kVARh, THD, Theta, Frequency. All parameters for each phase and virtual meter
ACCURACY	0.2% ANSI C12.1-2024 Class 0.2
RESOLUTION	32-bit floating point
DISPLAY	2 x 16-character display with tri-color backlight
ALARM OUTPUT	Undervoltage (open collector- 30VDC Max.)

COMMUNICATIONS

HARDWARE	RS-485 Serial and Ethernet
MAX COMMUNICATION LENGTH	1200 meters at 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
SUPPORTED PROTOCOLS	Modbus RTU, BACnet MS/TP, Modbus TCP or BACnet IP

MECHANICAL

WIRE CONNECTIONS	12-28 AWG 600 VAC, Voltage connection must be #14 AWG or larger & 600 VAC rated
MOUNTING	Wall mount enclosure or TS35/7.5 DIN Rail
OPERATING TEMPERATURE*	-20° to 60°C (-4° to 140°F)**
HUMIDITY	5% to 95% non-condensing
ENCLOSURE	ABS Plastic, 94-V0 flammability rating
ENCLOSURE DIMENSIONS	DIN Rail Version (L) 19.08cm x (W) 8.23cm x (H) 3.76cm (7.51" x 3.24" x 1.48") Wall Mount Version (L) 25.70cm x (W) 14.00cm x (H) 5.37cm (10.12" x 5.50" x 2.12")
WEIGHT (APPROXIMATE)	DIN Rail Version 363 g (13 ounces), exclusive of CTs. Wall Mount Version 635 g (22 ounces), exclusive of CTs

CERTIFICATIONS

UL LISTED	Conforms to UL Std 61010-1, 3rd Edition & IEC 61010-2-030 1st Edition
CE	LVD (EN61010-1), EMC (EN61326-1), RoHS 3 (IEC 63000:2018)
ANSI C12.1 CLASS 0.2	NIST Traceable Calibration

FLEXPoint™ SOFTWARE

OPERATING SYSTEM	Windows® 11, Windows® 10
COMMUNICATIONS	10/100 Ethernet and USB 2.0
WEB PAGE SECURITY	2 levels of PIN protection (Read/Write or Read-Only)

ORDERING PART NUMBERS

PS3FX-R-D-N	POWERSCOUT 3 FX, DIN Rail Mount Enclosure with Display
PS3FX-R-D-N-D	POWERSCOUT 3 FX, DIN Rail Mount Enclosure with Display, DENTCloud Enabled
PS3FX-C-D-N	POWERSCOUT 3 FX, Wall Mount Enclosure with Display
PS3FX-C-D-N-D	POWERSCOUT 3 FX, Wall Mount Enclosure with 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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