



Your Trusted Energy Information Source

The DENT Difference: High-Quality, Flexible, and Reliable Submetering Solutions

The Dent Difference

At DENT Instruments, we pride ourselves on delivering superior submetering solutions that set us apart in the industry. Our commitment to excellence is evident in our subscription-free systems, versatile configurations, and exceptional connectivity with any endpoint. Manufactured in the USA, our products offer reliability and unmatched accuracy. Additionally, we prioritize exceptional *human* customer support to ensure your project's success from start to finish. Discover why DENT has become the go-to choice for engineering firms and electrical contractors.

Why Choose DENT?

Our submeters seamlessly integrate with any Building Automation System (BAS) or endpoint, free from proprietary restrictions or recurring fees. This flexibility allows you to select the best solutions for your project without limitations. Our versatile configurations cater to a wide range of applications, ensuring that our solutions meet your specific needs effectively and efficiently. Additionally, we offer **free** access to DentCloud and API services for enhanced data management and connectivity free of charge. With DENT Instruments, you benefit from freedom of choice, superior connectivity, and adaptable solutions designed to fit your project's unique requirements.

CONNECT ANY ENDPOINT



On Device
or local RTU/Display



ViewPoint
Direct PC Connect



DENTCloud (API)
Wide Area Network



BAS
BACnet | Modbus



Ultimate Flexibility With Versatile Configuration

Mix & Match Meters for Custom Designs

Easily configure panel loads and project needs by combining various meter types for the optimal setup.

Universal Integration

Our meters fully support any BAS with TRUE BACnet and Modbus protocols for seamless integration and enhanced data.

Quick Installation for Efficiency

Our user-friendly meters enable quick installation, reducing downtime and speeding project completion.

Reliable Performance & Durability

Our robust, US-manufactured products ensure consistent performance and reliability, even in demanding environments.

Field-Selectable CT Inputs

Configure any combination of Current Transformer (CT) or Rogowski Coil for unlimited, flexible sensor control.

Networked Monitoring

Use our network for real-time local and remote submetering management, ensuring complete data access and oversight.

Growth-Ready Solutions

Start small and expand effortlessly with our scalable meter network, meeting evolving project needs.

Unmatched Accuracy

DENT power meters are held to unrivaled accuracy standards, ensuring data integrity and providing peace of mind.



PowerScout HD Series



Scalable Meter Network



Selecting Your DENT Metering Solution

	PowerScout 3HD	PowerScout 12HD	PowerScout 24HD	PowerScout 48HD
Current Channels	3 channels, 0.525 VAC max, 333 mV CTs	12 channels, 0.525 VAC max, 333 mV CTs	24 channels, 0.525 VAC max, 333 mV CTs	48 channels, 0.525 VAC max, 333 mV CTs
Phasing/Wiring	Single Phase, Three Phase-Four Wire (WYE), Three Phase-Three Wire (Delta)	Single Phase, Split Phase, Three Phase-Four Wire (WYE), Three Phase-Three Wire (Delta)		
Voltage Configurations	80-346 Volts AC Line-to-Neutral, 600 V Line-to-Line, CAT III	90-346 Volts AC Line-to-Neutral, 600V Line-to-Line, CAT III	90-346 Volts AC Line-to-Neutral, 600V Line-to-Line, CAT III.	
Voltage Channels	1x Three-Phase Voltage Reference Input		2x Three-Phase Voltage Reference Input	
Max Current	150% of current transducer rating (mV CTs) to maintain accuracy; 0-4,000 Amps, CT-dependent			
Pulse Inputs	N/A	Four (4x) inputs. 3.3V sourcing voltage (current limited) to customer dry contact pulse output. Max pulse rate 10 Hz (50 mSec minimum transition time).	Two (2x) inputs. 3.3V sourcing voltage (current limited) to customer dry contact pulse output. Max pulse rate 10 Hz (50 mSec minimum transition time).	
Communications Protocol	Standard: Modbus RTU, BACnet MS/TP, Modbus TCP or BACnet IP			
Current Transformer Options	Split Core, Solid Core, Rogowski Coil			
Enclosure Options	Wall Mount, Rail Mount	Enclosure Plate		
Accuracy	0.2% ANSI C12.20-2015 Class 0.2			
Configurations	3PH: x1 2PH: x1 1PH: x1	3PH: 4x3 2PH: 4x2 1PH: 12x1	3PH: 8x3 2PH: 8x2 1PH: 24x1	3PH: 16x3 2PH: 16x2 1PH: 48x1
Cloud Compatability	Yes	Yes	Yes	Yes
API Capable	Yes	Yes	Yes	Yes
Certifications	UL 61010 Listed CE RoHS	Plate: UL Recognized 61010 Enclosure: UL Listed 61010 CE RoHS		
Compliance	CTEP			CTEP NYC Local Law 88

Certified ISO 9001:2015 Quality Assurance: Adherence to ISO 9001:2015 standards ensures rigorous quality control and a commitment to continuous improvement.

