POWERSCOUT[™] 3037 **REVENUE-GRADE SINGLE-POINT POWER MET**

ADAPT TO ANY PROJECT

The PowerScout 3037 comes in four basic configurations depending on whether a display or Ethernet port are desired. Instead of having one specific meter for a single job, the PowerScout 3037 can adapt to nearly any project requirement.

All PowerScout 3037 models have a broadband power supply (80-600VAC) and can be paired with a variety of current transformers, from split cores that measure <1A up to large RoCoils designed for measuring 4000A. In addition, communication protocols are field-selectable. Easily toggle between Modbus or BACnet using ViewPoint software.

OUICK & EASY SETUP

Configuring the PowerScout 3037 for a new project is faster than ever before, thanks to the standard USB port. To configure, simply connect the meter to a PC using a USB cable, then use ViewPoint software to select CT type, communication protocol, and other parameters. The meter is powered by the USB port while connected to a PC. Have several meters that require the same configuration? Save your setup table in ViewPoint and use it over and over.

FASTEST & EASIEST INSTALLATION

The PowerScout 3037 is compact enough to facilitate inpanel mounting. Or, use the built-in DIN rail channel, which is compatible with TS35/7 rail for quick and easy mounting near the circuit panel.

PowerScout instruments are line-powered and do not require external power. Its power supply can accommodate service voltages ranging from 80-600V (phase-to-phase). DENT's patented PhaseChek[™] circuitry includes a 3 bi-color LED indicator display that confirms proper CT-to-phase placement and orientation.





Use the standard USB connection to easily power and configure the PowerScout 3037 at your office or in the field. Once connected to the panel, USB can also be used to verify setup and check real-time

POWERSCOUT 3037 ANATOMY



Display Functio Sutton (if equipped) to scroll through lisplav informati

REVENUE-GRADE PERFORMANCE

easv setup.

The PowerScout 3037 features revenue-grade ANSI C12.20-2010 gualified Class 0.2 performance. Paired with the appropriate DENT CTs, the PowerScout 3037 is ideal for high-accuracy applications like demand response or tenant submetering.

COMMUNICATIONS: INDUSTRY-STANDARD MODBUS OR BACNET

Communications interface to the PowerScout 3037 can be accomplished through serial RS-485 or USB, or optional Ethernet. The PowerScout can use either the BACnet IP or MS/TP protocol or Modbus TCP or RS-485 protocol for sending commands or retrieving data.

STANDARD PULSE OUTPUT

Send kWh or other pulses to an external device. The pulse output is used to generate system kWh pulses for devices, such as data loggers, that can accept pulses, but do not have BACnet or Modbus capability.

POWERSCOUT[™] SPECIFICATIONS

TECHNICAL		VIEWPOINT SOFTWARE				
SERVICE TYPE	Single Phase, 3 Phase - 4 Wire (WYE), 3 Phase - 3 Wire (Delta)	OPERATING SYSTEM	Windows® 8, Windows® 7 (32/64 bit), Windows® V	ista		
POWER	From L1 Phase to L2 Phase. 80-600VAC CAT III 50/60Hz, 70mA Max. Non-user replaceable .5 Amp internal fuse protection	COMMUNICATIONS	RS-485 & USB standard. Ethernet available. One USB	3 Port		
POWER OUT	PS3037: Unregulated 5VDC output, 140 mA Max, resetting fuse PS24: Unregulated 5VDC output, 500 mA Max		required on PC.			
VOLTAGE CHANNELS*	80-346 Volts AC Line-to-Neutral, 600V Phase-to-Phase, CAT III	SAFETY				
CURRENT CHANNELS	PS3037 : 3 channels, 0.52 VAC max, 333 mV CTs, 0-4,000A PS24 : 3 24 channels, 0.67 VAC max, 333 mV CTs, 0-5,000A	POWERSCOUT 3037 (All) PS3037-S-N, PS3037-S-D,	UL Listed and CE Mark Conforms to UL Std 61010-1			
MAXIMUM CURRENT INPUT	PS3037: 158% of current transducer rating (mV CTs) to maintain accuracy. Measure up to 4000A with RoCoil CTs PS24: 200% of current transducer rating (mV CTs) Measure up to 5000A with RoCoil CTs	POWERSCOUT 24 N Serial PS24-N-S (circuit board only)	UL Recognized, CE Mark Conforms to UL Std 61010-1 Certified to CSA Std C22.2 No. 61010-1	to CSA Std C22.2 No. 61010-1 gnized, CE Mark s to UL Std 61010-1 to CSA Std C22.2 No. 61010-1		
MEASUREMENT TYPE	True RMS using high-speed digital signal processing (DSP)	POWERSCOUT 24 D Serial	UL Listed, CE Mark	, CE Mark		
LINE FREQUENCY	50/60 Hz	PS24-D-S (with indoor enclosure)	Conforms to UL Std 61010-1 Certified to CSA Std C22 2 No. 61010-1			
WAVEFORM SAMPLING	200 samples/60Hz waveform, 240 samples/50Hz waveform PS3037 : 2 waveforms/second, PS24 : 1 waveform/second	POWERSCOUT 24 N Ethernet PS24-N-E (circuit board only)	UL Recognized Conforms to UL Std 61010-1			
PARAMETER UPDATE RATE	1 second		Certified to CSA Std C22.2 No. 61010-1			
MEASUREMENTS	Volts, Amps, kW, kWh, kVAR, kVARh, kVA, kVAh, aPF, dPF.	POWERSCOUT 24 D Ethernet	UL Listed			
ACCURACY	PS3037: 0.2% (<0.1% typical) ANSI C12.20-2010 Class 0.2 PS24: 0.5% ANSI C12.20-2010 Class 0.5 for V, A, kW, kVAR, kVA, PF.	PS24-D-E (with indoor enclosure)	Conforms to UL Std 61010-1 Certified to CSA Std C22.2 No. 61010-1			
RESOLUTION	0.01 Amp, 0.1 Volt, 0.01 watt, 0.01 VAR, 0.01 VA, 0.01 Power Factor depending on scalar setting	MODBUS REGISTE	ER/BACNET OBJECT			
LED INDICATORS	Bi-color LEDs (red and green): 1 LED to indicate communication, 3 LEDs for correct CT-to-phase installation (per meter element).	DESCRIPTIONS (PARTIAL LIST)				
PULSE OUTPUT	PS3037: Open Collector, 5mA max current, 30V max open voltage PS24: Open Collector, 75mA max current, 40V max open voltage	Instantaneous Total True Power +/- (kWn)	W) Individual Phases True Energy +/- (kWh)			
COMMUNICATIO)NS	Peak Demand (Adjustable Window) (kW)	/) Individual Phases True Power +/- (kW)	Individual Phases True Power +/- (kW)		
	User selectable Modbus /BACnet Master Slave Token Passing protocol	Maximum Instantaneous Power +/- (kW	N) Individual Phases Reactive Energy +/- (kVAF	Rh)		
DIRECT	(MS/TP) or (optional) BACnet IP/Modbus TCP over Ethernet.	Minimum Instantaneous Power +/- (kW	/) Individual Phases Reactive Power +/- (kVAR	2)		
MAX DISTANCE	1200 meters with Data Range of 100K bits/second or less	System Reactive Energy +/- (kVARh)	Individual Phases Apparent Energy kVAh)			
BAUD RATE	9600 (Modbus default), 19200, 38400, 57600, 76800 (BACnet	System Apparent Energy (kVAh)	Individual Phases Apparent Power (kVA)			
	default), 115200	System Apparent Power (kVA)	Individual Phases Apparent Power Factor (aF	PF)		
DAIABIIS	8	System Displacement Power Factor (dF	PF) Individual Phases Displacement Power Factor	or (dPF)		
PARITY	None, Even, Odd	System Apparent Power Factor (aPF)	Individual Phases Line to Neutral Voltages (V	/olts)		
STOP BIT	2, 1	Average Line to Line Voltage (Volts)	Individual Phases Line to Line Voltages (Volt	.s)		
DATA FORMATS	Modbus or BACnet	Average Line to Neutral Voltage (Volts)	PS3037: Net system true energy (kWh)	PS3037: Net system true energy (kWh)		
MECHANICAL		* For DC applications, please see manua	al for full specifications and application details. Use on 120/24	40V,		
OPERATING TEMPERATURE	-20° to 60°C (-4° to 140°F)	480/277V, 580/355V, or 380/220V ser	rvices. 50 or 60 Hz.			
HUMIDITY	5% to 95% non-condensing		OFTWARE, OLICK AND	ГΛС		
ENCLOSURE	PS3037: ABS Plastic, 94-V0 flammability rating PS24 (optional): PC UL 94 5V	SET-UP, CONFI	GURATION & DIAGNOS	LAJ TIC:		
WEIGHT (EXCLUDING CTs)	PS3037: 340 g (12 ounces) PS24 Without Enclosure: 369 g (13 oz) PS24 With Enclosure: 610 g (21.5 oz)	DENT's ViewPoint softwallows you to easily con	ware utility			
DIMENSIONS	PS3037: 24.2 x 8.5 x 4.0 cm (9.5" x 3.3" x 1.6") PS24 Without Enclosure: 25.5 x 16.5 x 3.2 cm (10.0" x 6.5" x 1.3") PS24 With Enclosure: 27.8 x 18.8 x 13.0 cm (10.9" x 7.4" x 5.1")	PowerScout for the connected CTs and to check real-time values to ensure that the meter is properly				



DENT Instruments, Inc. Energy & Power Measurement Solutions

An ISO 9001:2008 Certified Company

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configured. ViewPoint is the quick and easy way to:

- Switch between communication protocols
- Verify meter installation
- Check real-time values before leaving the job site
- Read and write to specific registers
- Set the data scalar setting
- Update PowerScout firmware

POWERSCOUT[™] SERIES **NETWORKED POWER METERS**



HIGH PERFORMANCE INSTRUMENTS FOR ENERGY MEASUREMENT

INDUSTRY'S MOST DEPENDABLE & PRECISE ENERGY MEASUREMENT

The PowerScout series networked power meters are designed to provide timely and accurate consumption data to gain the upper hand on electrical costs in today's escalating energy market. PowerScout meters can capture kWh/kW energy and demand data as well as virtually all relevant energy parameters for diagnostics and monitoring on three-phase or single-phase circuit installations. The PowerScout's flexibility, size, and ease-of-use make them ideal tools for gathering detailed consumption data in commercial, industrial, government and retail environments.



MAXIMUM VERSATILITY & FLEXIBILITY

Every PowerScout features field-selectable Modbus or BACnet protocols. interchangeable split-core or flexible RoCoil CTs. and direct USB setup. Connect via RS-485 or optional Ethernet and use the optional back-lit display (PS3037) to verify setup and check real time values. The PowerScout makes over 50 total electrical measurements. including energy and demand.





FEATURES

- PowerScout meters monitor voltage, current, power, energy, and many other electrical parameters on single and three-phase systems.
- The PowerScout uses either BACnet or Modbus protocol and features digital pulse outputs. Available with Serial-only or with Ethernet.
- Positive and negative Modbus registers/BACnet objects allow for the PowerScout to be used on net metering projects.
- Mix-and-match a full range of Split Core or RoCoil[™] Rogowski-style CTs
- PhaseChek[™] LED indicators confirm proper CT orientation.
- Line-Powered*: 80-600V Phase-to-Phase Power Supply.
- Data updates occur once every second.
- PS3037: Revenue grade. ANSI C12.20-2010 Class 0.2
- PS24: Revenue grade. ANSI C12.20-2010 Class 0.5
- PS3037: DIN rail or panel mount
- PS3037: Optional back-lit display available for verifying setup and checking real time values.
- UL and CE Mark[†]

APPLICATIONS

- Tenant Submetering
- Net Metering
- Data Center Monitoring
- Commercial
- Retail
- Industrial

† PS3037 and PS24D (with enclo is UL Recognized. CE Mark on al PS3037 and PS24 Serial models.



POWERSCOUTTM 24 HIGH-PERFORMANCE MULTI-CIRCUIT MONITORING

POWERSCOUT 24 ANATOMY





Left: The PowerScout 24 can use up to 24 CTs to measure any combination single or three-phase loads. Mix and match any of DENT's RoCoil or Split core CTs to monitor uilding mains and smaller loads simultaneously with a ingle meter.



Right: The PowerScout is line powered and the broadband power supply accommodat voltages from 80-600VAC

MAXIMUM FLEXIBILITY FOR **HIGH-DENSITY MONITORING**

The PowerScout 24 is a versatile, multi-channel instrument. The modular design allows it to be configured for monitoring multiple electrical circuits (sharing a common voltage source) or for current-only monitoring of branch circuits. It can be supplied with virtually any combination of DENT's internally-shunted split-core or RoCoil CTs. Monitor any combination of up to 8 three-phase or 24 single-phase electrical devices with the PowerScout 24.

With data updates every 1 second and ANSI C12.20-2010 Class 0.5 revenue grade accuracy (depending on CT), the PowerScout 24 is well-suited for data center monitoring, tenant sub-metering, and for accountability metering in commercial, retail, and industrial facilities.

The PowerScout 24 is available as a bare circuit board (UL Recognized) or with a convenient rugged enclosure (UL Listed).

COMMUNICATIONS: INDUSTRY-STANDARD MODBUS OR BACNET

Communications interface to the PowerScout 24 can be accomplished through standard serial RS-485 or USB, or optional Ethernet. The PowerScout can use either the BACnet IP or MS/TP protocol or Modbus TCP or RS-485 protocol for sending commands or retrieving data.

FOOL-PROOF INSTALLATION

The PowerScout series instruments are line powered and do not require external power. Its power supply can accommodate service voltages ranging from 80-600V (phase-to-phase). DENT's patented PhaseChek[™] circuitry includes a 3 LED indicator display that confirms proper CT-to-phase installation.

OTHER STANDARD FEATURES

Pulse Output

The PowerScout 24 features 8 digital outputs - one per meter element. Use these digital outputs to send kWh or other pulses to a pulse counting device, such as a datalogger.

Pulse Input

The PowerScout 24 has two digital input ports which are used to count, accumulate, and scale pulses received from non-DENT external pulse initiating meters such as gas, water, or other electrical meters.

Power Out

In addition, the PowerScout 24 has a 5VDC, 200mA power out to power other devices such as a radio or gateway device.

POWERSCOUT[™] TRANSFORMERS

PowerScout meters can be equipped with a wide selection of current transformers. Choose from compact and economical Split-Core CTs or the versatile Rogowski Flex CTs. Each type offers its own particular advantages depending on your application. DENT CTs are interchangeable to meet your varying project requirements. All DENT CTs are internally shunted and carry UL or ETL certification and CE Mark for intrinsically safe operation on energized conductors.



	MINI HINGED HSC-020, -050	MIDI HINGED HMC-100, -200	HIGH ACCURACY SHS-0005, -0015	SMALL SPLIT CORE SCS-0050, -0100	MED SPLIT CORE SCM-0100, -0200, -0400, -0600	LARGE SPLIT CORE SCL-0600, -1000	ROCOIL R16, R24, R36, R47	ROCOIL R72
							Q	Q
KEY SPECIFICATIO	NS	'						
NINDOW SIZE	1 cm (0.4")	2.5 cm (1.0")	1.0 cm (0.4")	1.9 cm (.75")	3.2 cm (1.25")	5.1 cm (2.0")	16": 11.5 cm (4.5") 24": 17.9 cm (7.0") 36": 27.5 cm (10.8") 47": 37.0 cm (14.6")	72": 56.0 cm (22.0")
DUTPUT SIGNAL	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	333 mV at rated current	131 mV/1000A @ 60 Hz 110 mV/1000A @ 50 Hz	131 mV/1000A @ 60 Hz 110 mV/1000A @ 50 Hz
JSEFUL CURRENT RANGE	20A: 0.25-30 Amps (PS3037) 20A: 0.25-40 Amps (PS24) 50A: 0.25-80 Amps (ALL)	100A : 1-158 Amps (PS3037) 100A : 1-200 Amps (PS24) 200A : 1-300 Amps (ALL)	5A : 0.05-7 Amps, 15A : 0.15-20 Amps	50A : 1-65 Amps 100A : 2-130 Amps	100A : 5-130, 200A : 4-260, 400A : 8-520, 600A : 12-780 Amps	600A : 30-780 Amps 1000A : 20-1300 Amps	ALL: 5-4000 Amps (PS3037) ALL: 5-5000 Amps (PS24)	5-4000 Amps (PS3037) 5-5000 Amps (PS24)
ELECTRICAL SPEC	FICATIONS							
NOMINAL RATING	20, 50 Amps	100, 200 Amps	5 Amps, 15 Amps	50, 100 Amps	100, 200, 400, 600 Amps	600, 1000 Amps	5000 Amps	5000 Amps
ACCURACY	<0.5% at rated current	<1.0% at rated current	+/- 0.5% at rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	<0.6%** C57.13-2008 Class 1.2	<1%
PHASE SHIFT	<1.5° at rated current	<0.5° at rated current	<0.5° at rated current	<2° at rated current	<2° at rated current	<2° at rated current	< 0.2° at 50/60 Hz	<1° at 50/60 Hz
REQUENCY RANGE	50 Hz to 400 Hz	50 Hz to 400 Hz	40 Hz to 1 kHz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	20 Hz to 5 kHz	40 Hz to 5 kHz
DIELECTRIC STRENGTH	3520 VAC for 1 minute	5200 VAC for 1 minute	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	7400 VAC around coil 1000 VAC rated leads	7400 VAC around coil 1000 VAC rated leads
MECHANICAL SPE	CIFICATIONS							
DIMENSIONS	2.6 x 2.9 x 4.2 cm (1.04 x 1.16 x 1.64")	4.7 x 4.7 x 7.0 cm (1.85 x 1.85 x 2.76")	6.4 x 2.5 x 5.1 cm (2.5 x 1.0 x 2.0")	5.08 x 5.34 x 1.55 cm (2.0 x 2.1 x 0.6")	8.26 x 8.6 x 2.54 cm (3.3 x 3.4 x 1.0")	12.07 x 12.70 x 3.05 cm (4.8 x 5.0 x 1.2")	Length 16" (40 cm) Length 24" (60 cm) Length 36" (90 cm) Length 47" (120 cm)	Length 72" (183 cm)
VEIGHT	91 g (3.2 oz)	221 g (7.8 oz)	136 g (4.8 oz)	136 g (4.8 oz)	340 g (12 oz)	748 g (26 oz)	16": 136 g (5 oz) 24": 181 g (6 oz) 36": 227 g (8 oz) 47": 272 g (10 oz)	544 g (19 oz)
POLARITY	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive	White lead is positive
DUTPUT LEAD	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	2 m (79") shielded cable	2 m (79") shielded cable
OPERATING TEMPERATURE	-15° to 60° C (5° to 140 °F)	-15° to 60° C (5° to 140 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to +70 °C (-4° to +158 °F)	-20° to +80 °C (-4° to +176 °F)
STORAGE TEMPERATURE	Maximum 105 °C (220 °F)	Maximum 105 °C (220 °F)	Maximum 105 °C (220 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)
CASE PROTECTION	White nylon, UL 94 V-0	White nylon, UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	PA6 UL 94 V-0	Polypropylene UL 94 V-0 rated
SAFETY SPECIFICA	TIONS							
SAFETY REQUIREMENTS	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 CCC c Cusus	CAN/CSA-C60044-1-2007 pts 1 & 2 ANSI/IEEE C57.13, IEEE C57.13.2	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to UL STD 61010-1 Certified to CAN/CSA STD C22.2 No. 61010	Conforms to UL STD 61010-1 Certified to CAN/CSA STD C22.2 No. 61010
				Intertek	Intertek	Intertek		

	MINI HINGED HSC-020, -050	MIDI HINGED HMC-100, -200	HIGH ACCURACY SHS-0005, -0015	SMALL SPLIT CORE SCS-0050, -0100	MED SPLIT CORE SCM-0100, -0200, -0400, -0600	LARGE SPLIT CORE SCL-0600, -1000	ROCOIL R16, R24, R36, R47	ROCOIL R72
							Q	Q
KEY SPECIFICATIO	NS					'		
WINDOW SIZE	1 cm (0.4")	2.5 cm (1.0")	1.0 cm (0.4")	1.9 cm (.75")	3.2 cm (1.25")	5.1 cm (2.0")	16": 11.5 cm (4.5") 24": 17.9 cm (7.0") 36": 27.5 cm (10.8") 47": 37.0 cm (14.6")	72": 56.0 cm (22.0")
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USEFUL CURRENT RANGE	20A : 0.25-30 Amps (PS3037) 20A : 0.25-40 Amps (PS24) 50A : 0.25-80 Amps (ALL)	100A : 1-158 Amps (PS3037) 100A : 1-200 Amps (PS24) 200A : 1-300 Amps (ALL)	5A : 0.05-7 Amps, 15A : 0.15-20 Amps	50A : 1-65 Amps 100A : 2-130 Amps	100A : 5-130, 200A : 4-260, 400A : 8-520, 600A : 12-780 Amps	600A : 30-780 Amps 1000A : 20-1300 Amps	ALL: 5-4000 Amps (PS3037) ALL: 5-5000 Amps (PS24)	5-4000 Amps (PS3037) 5-5000 Amps (PS24)
ELECTRICAL SPEC	IFICATIONS							
NOMINAL RATING	20, 50 Amps	100, 200 Amps	5 Amps, 15 Amps	50, 100 Amps	100, 200, 400, 600 Amps	600, 1000 Amps	5000 Amps	5000 Amps
ACCURACY	<0.5% at rated current	<1.0% at rated current	+/- 0.5% at rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	+/- 1% at 10% to 130% of rated current	<0.6%** C57.13-2008 Class 1.2	<1%
PHASE SHIFT	<1.5° at rated current	<0.5° at rated current	<0.5° at rated current	<2° at rated current	<2° at rated current	<2° at rated current	< 0.2° at 50/60 Hz	<1° at 50/60 Hz
FREQUENCY RANGE	50 Hz to 400 Hz	50 Hz to 400 Hz	40 Hz to 1 kHz	50 Hz to 400 Hz	50 Hz to 400 Hz	50 Hz to 400 Hz	20 Hz to 5 kHz	40 Hz to 5 kHz
DIELECTRIC STRENGTH	3520 VAC for 1 minute	5200 VAC for 1 minute	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	5000V around the case 600V rated leads	7400 VAC around coil 1000 VAC rated leads	7400 VAC around coil 1000 VAC rated leads
MECHANICAL SPEC	CIFICATIONS							
DIMENSIONS	2.6 x 2.9 x 4.2 cm (1.04 x 1.16 x 1.64")	4.7 x 4.7 x 7.0 cm (1.85 x 1.85 x 2.76")	6.4 x 2.5 x 5.1 cm (2.5 x 1.0 x 2.0")	5.08 x 5.34 x 1.55 cm (2.0 x 2.1 x 0.6")	8.26 x 8.6 x 2.54 cm (3.3 x 3.4 x 1.0")	12.07 x 12.70 x 3.05 cm (4.8 x 5.0 x 1.2")	Length 16" (40 cm) Length 24" (60 cm) Length 36" (90 cm) Length 47" (120 cm)	Length 72" (183 cm)
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OUTPUT LEAD	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 22 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	Leads 2.7 m (8 ft) twisted pair, 20 AWG	2 m (79") shielded cable	2 m (79") shielded cable
OPERATING TEMPERATURE	-15° to 60° C (5° to 140 °F)	-15° to 60° C (5° to 140 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to 55 °C (-4° to 131 °F)	-20° to +70 °C (-4° to +158 °F)	-20° to +80 °C (-4° to +176 °F)
STORAGE TEMPERATURE	Maximum 105 °C (220 °F)	Maximum 105 °C (220 °F)	Maximum 105 °C (220 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)	Maximum 80 °C (176 °F)
CASE PROTECTION	White nylon, UL 94 V-0	White nylon, UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	Epoxy encapsulated housing ABS/PVS UL 94 V-0	PA6 UL 94 V-0	Polypropylene UL 94 V-0 rated
SAFETY SPECIFICA	TIONS							
SAFETY REQUIREMENTS	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 CE CNUs	UL Recognized: UL STD 61010-1 Certified to: CAN/CSA STD C22.2 No. 61010-1 CE CRLus	CAN/CSA-C60044-1-2007 pts 1 & 2 ANSI/IEEE C57.13, IEEE C57.13.2	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1	Conforms to UL STD 61010-1 Certified to CAN/CSA STD C22.2 No. 61010	Conforms to UL STD 61010-1 Certified to CAN/CSA STD C22.2 No. 61010
WORKING VOLTAGE	600 VAC Category III	600 VAC Category III	Maximum 600 Vrms UL 506	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 600 Vrms Category III	Maximum 1000 Vrms Category III	Maximum 1000 Vrms Category III

of > 2X the diameter of the RoCoil. Accuracy below 20A rated at 1.5% +/- 0.5A when used with DENT ELITEpro/PowerScout meters. RoCoil CTs have been 100% verified to meet the C57.13-2008 Class 1.2 Standard.

FOCUSED ENERGY SUREMENT

nstruments designs anufactures data s and energy ers for today's energy sionals. Our products en the first step in ping strong energy ies, for maintaining perations, and for g operating costs. mpany has built a tion for providing nents of the highest whose robust design size and remote data ition make them gers of choice for nies large and small.

the company's ence in 1988, we erformed energy rement studies for range of utility, ment, and private This unique customer ective has strongly ced the design of our ts. reflected in their f installation and use.

products provide igful energy data that to accurately allocate costs, identify energy vings opportunities ver utility bills. Our le instruments help it electrical usage and y consumption.