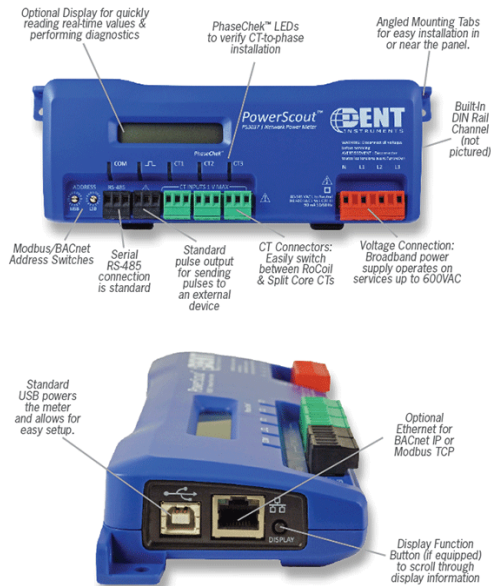


ClimaCheck introduce EP Pro Scout High Performance Instruments for Power and Energy Measurement

POWERSCOUT 3037 ANATOMY



The **EP Pro Scout** is an all new revenue-grade power meter from DENT Instruments that monitor voltage, current, power, energy, and many other electrical parameters on single and three-phase systems. ClimaCheck has adapted this to PA Pro Portable Performance Analysers.

Adapt to Any Project

The EP Pro Scout adapt to nearly any project

All EP Pro Scout 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 Rogowski Coils designed for measuring 4000A. In addition, communication protocols are field-selectable.

Quick & Easy Setup

Configuring the PowerScout 3037 for a new application is easy, thanks to the standard USB port. To configure, simply connect the meter to a PC using a USB cable, then use the Dent ViewPoint software to select CT type

and other parameters. The meter is powered by the USB port while connected to a PC. Have several meters that require the same configuration or want to re-use the same later? Save your setup table in ViewPoint and use it over and over.

All PowerScout instruments are line-powered and do not require external power. Its power supply can accommodate service voltages ranging from 80-600VAC (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.

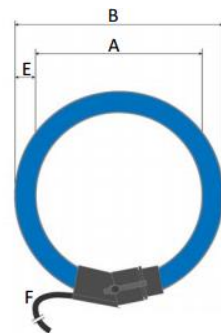
Revenue-Grade Performance

The PowerScout 3037 features revenue-grade ANSI C12.20-2010 qualified 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

Communications between ClimaCheck and the PowerScout is through serial RS-485 but the Power scout can also be accessed through USB.

ClimaCheck offer The EP Pro Scout in two different configurations:



Part Number	Description
100460	EP Pro Scout with display including Volt and Modbus connection cables for ClimaCheck PA Pro
100461	EP Pro Scout without display including Volt and Modbus connection cables for ClimaCheck PA Pro
400710	Rogowski Coil 5-4 000 A accuracy 0.6% (range with Power scout) A= 11.5 cm (4.5"), B=13.9 cm (5.5") E=1.2 cm "0.5") larger available

TECHNICAL	
SERVICE TYPE:	Single Phase, 3 Phase - 4 Wire (WYE), 3 Phase - 3 Wire (Delta)
POWER:	From L1 Phase to L2 Phase. 80-600VAC CAT III 50/60Hz, 70mA Max. Non-user replaceable .5 Amp internal fuse protection
POWER OUT PS3037:	Unregulated 5VDC output, 140 mA Max, resetting fuse
VOLTAGE CHANNELS*:	80-346 Volts AC Line-to-Neutral, 600V Phase-to-Phase, CAT III
CURRENT CHANNELS PS3037:	3 channels, 0.52 VAC max, 333 mV CTs, 0-4 000A
MAXIMUM CURRENT INPUT PS3037:	158% of current transducer rating (mV CTs) to maintain accuracy. Measure up to 4000A with Rogowski Coil CTs
MEASUREMENT TYPE:	True RMS using high-speed digital signal processing (DSP)
LINE FREQUENCY:	50/60 Hz
WAVEFORM SAMPLING:	12 kHz
PARAMETER UPDATE RATE PS3037:	.5 seconds
MEASUREMENTS	Volts, Amps, kW, kWh, kVAR, kVARh, kVA, kVAh, aPF, dPF.
ACCURACY PS3037:	0.2% (<0.1% typical) ANSI C12.20-2010 Class 0.2
RESOLUTION:	0.01 Amp, 0.1 Volt, 0.01 watt, 0.01 VAR, 0.01 VA, 0.01 Power Factor depending on scalar setting
LED INDICATORS:	Bi-color LEDs (red and green): 1 LED to indicate communication, 3 LEDs for correct CT-to-phase installation (per meter element).
PULSE OUTPUT PS3037:	Open Collector, 5mA max current, 30V max open voltage
COMMUNICATIONS	
DIRECT	User selectable Modbus/BACnet Master Slave Token Passing protocol (MS/TP) (optional) BACnet IP/Modbus TCP over Ethernet.
MAX DISTANCE	1200 meters with Data Range of 100K bits/second or less
BAUD RATE	9600 (Modbus default), 19200, 38400, 57600, 76800 (BACnet default), 115200
	DATA BITS: 8, PARITY: None, Even, Odd, STOP BIT: 2, 1
DATA FORMATS	Modbus or BACnet
MECHANICAL	
OPERATING TEMPERATURE:	-20° to 60°C (-4° to 140°F)
HUMIDITY:	5% to 95% non-condensing
ENCLOSURE PS3037:	ABS Plastic, 94-V0 flammability rating
WEIGHT (EXCLUDING CTS) PS3037:	340 g (12 ounces)
DIMENSIONS PS3037:	24.2 x 8.5 x 4.0 cm (9.5" x 3.3" x 1.6")