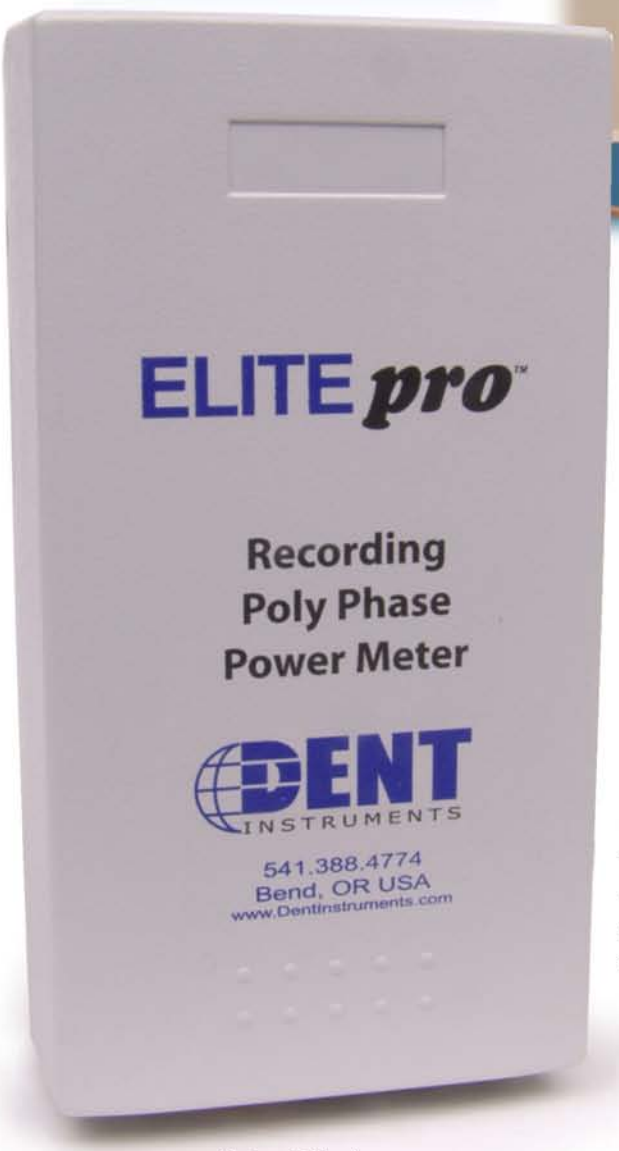
When your question is, "How can we get a handle on our energy usage?"

Energy Management in the Palm of Your Hand

Measure, log and analyze electrical loads to manage your energy usage.



(Actual Size)

Manage Your Usage

Managing energy starts by knowing "how much?", "when?", and "where?" As a facilities manager, engineer or electrical supervisor, you know that the price you pay for electricity is more than simple kWh. Peak power demand, the timing of that demand and even the usage from hour to hour can have a significant impact on the total energy bill.

The ELITE*pro*™ lets you: 1) identify your usage and consumption, 2) conserve energy, and 3) lower costs.

Measure the Things that Matter

The ELITE*pro* Power Meter provides the data needed to answer electrical power use questions by measuring kWh, current, voltage, amps, watts, volt-amps, volt-amps-reactive, power factor and harmonics; 144 different parameters!

With its small size, robust design and remote data acquisition capabilities, the ELITE*pro* can be temporarily or permanently mounted virtually anywhere. With a wide range of recording intervals and large-capacity memory option, it is ideal for both short-term projects or long-term studies.

DENT INSTRUMENTS
www.DentInstruments.com

ELITE*pro*
Recording Poly Phase Power Meter

A new generation of software allows intuitive analysis of usage over time, critical harmonics, and peak power demands.

Easy Installation

Installation and connection are both a breeze. Magnetic strips on the housing facilitate mounting *inside* electrical cabinets, and a variety of clamp-on CTs connect to virtually any power source. It can monitor up to four single-phase loads, two three-phase (3-wire) Delta loads, or one three-phase (4-wire) Wye load.

State of the Art Software

The ELOG™ software is used to program the meter, display metered values, retrieve and analyze the data. The Windows™ software graphically displays recorded data, performs analyses and allows automatic, remote data collection. Data can be easily exported to popular spreadsheets and databases for special analyses.

Clamp-on and split-core CTs make connections a breeze, and the new dual-range 36" flexible CT is ideal for cable bundles or bus bars.

Versatile Options

A variety of options will suit your situation:

Modem - For long-term monitoring applications an internal modem is available. The modem can be programmed to automatically download data or used to read real-time values.

Weatherproof - A custom housing is dust and liquid resistant, allowing the unit to operate in harsh, wet and outdoor environments.

High Memory - This is the option you want when recording lots of data. Capacity is quadrupled to store up to 100,000 records between downloads

Specifications

Inputs 4 channels of current, 0-6000A, 3 channels of voltage, 0-600V (ac or dc)

Power ..... Volts, Amps, Watts, Volt-Amps, Power Factor, Volt-Amps-Reactive

Measurements .. True RMS

Frequency ..... 50 or 60 Hz

Accuracy ..... <1% of reading, exclusive of sensor accuracy

Baud Rate ..... Up to 57,600 (direct) or 14,400 (modem)

Resolution ..... Better than .1% FS for all parameters; 12 bit A/D (1 part in 4,096)

Memory ..... 128kB (25,000 readings) or 512kB (100,000 readings)

Sampling Frequency...7.68 kHz (128 points per waveform)

Recording Intervals..3, 15, 30 seconds; 1, 2, 5, 10, 15, 20, 30 minutes and 1, 12, 24 hrs.

Harmonic Analysis to the 63rd Harmonic

Real Time Clock..Crystal controlled, true calendar, 20 ppm accuracy (<1 min/month)

Battery Life ..... 3 years @ 1 min. sampling, with LED indicator of low battery

Operating Temp...-7 to 60 °C (20 to 140 °F)

Operating Humidity ...5% to 95% non-condensing

Dimensions ..... 8 x 15 x 6 cm (3.2" x 5.9" x 2.4")

Weight ..... 340 gm (12 ounces)

DENT INSTRUMENTS

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