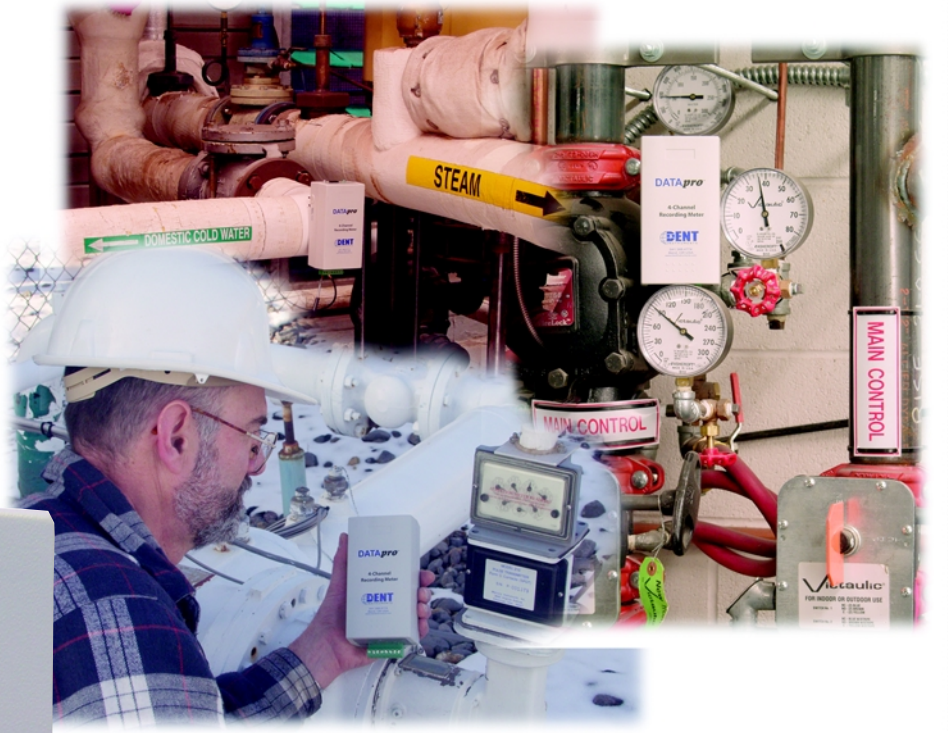
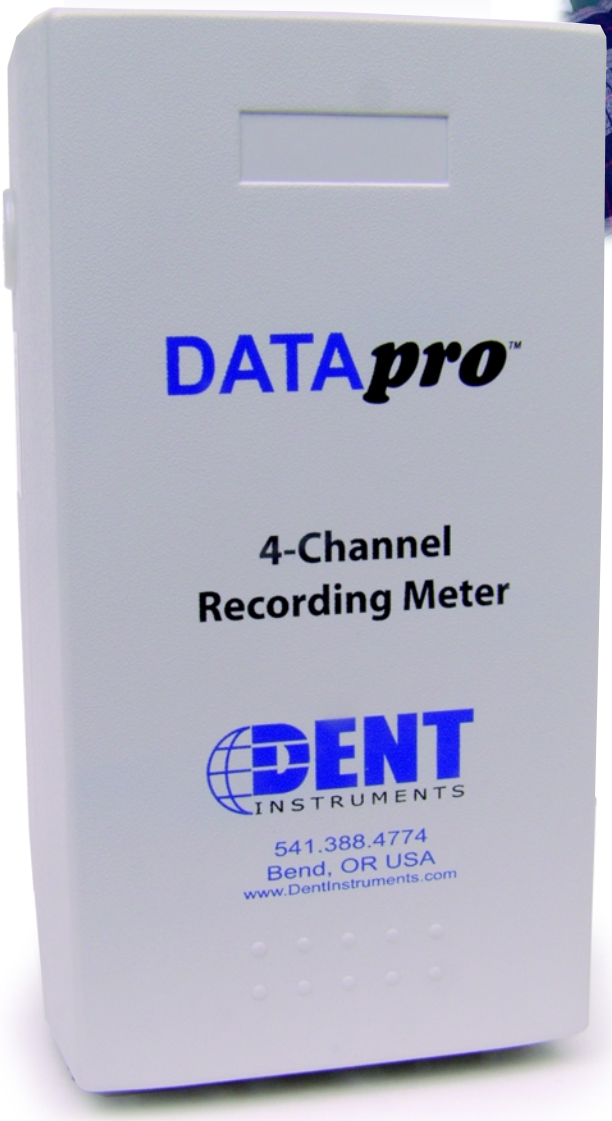
Measure, log and analyze almost anything!

Count pulses, or measure temperature, control & process signals, AC current and much more.





(Actual Size)

One DATA*pro*™ is right for you

Who can use the DATA*pro*? Virtually anyone with a measuring problem. The DATA*pro* series can monitor, store and analyze data from a variety of common sensors, allowing you to make the right decision for your application. Production managers, security supervisors, facilities managers, architects, building owners, meteorologists, researchers, waste management supervisors, and engineers of all types are discovering new applications every day that one of the DATA*pro* Recording Meters can address. It's that versatile!

Applications

A growing family of DATA*pro* models is available to meet almost any measuring need. Virtually any utility – gas, water, electric, steam, HVAC, compressed air, solid or liquid waste – can be recorded. One DATA*pro* model will correlate utility consumption with inside or outside temperature, while others can measure and record data from manufacturing processes or environmental changes. With the ability to accept pulses and inputs such as 4-20mA, 0-10VDC, temperature, or AC current, one DATA*pro* model is right for you.

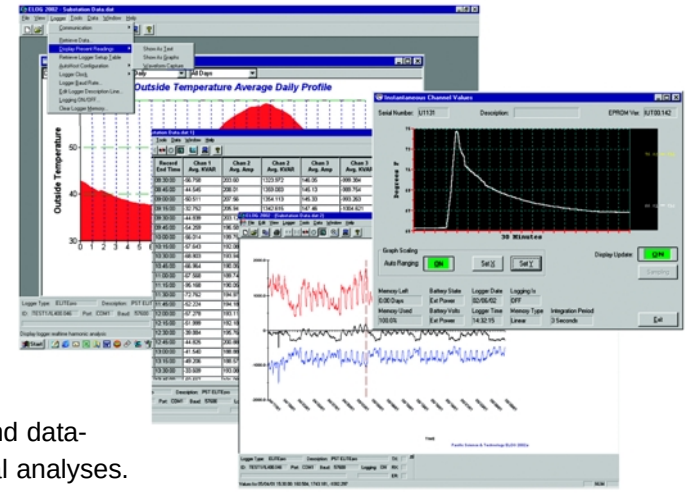
DATA*pro*
Multi-Purpose Recording Meter

Easy Installation

Installation and connection are both a breeze. Magnetic strips on the housing facilitate mounting on metal cabinets, and a simple 8-position port connects all external inputs. You supply the sensor; we supply the Recorder.

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 is also easily exported to popular spreadsheets and databases for special analyses.



4 Channel DATA*pro* Models

4V - 4 Voltage channels (0-10 Vdc)

4C - 4 Current channels

4P - 4 Pulse channels

4T - 4 Temperature channels

1T/3P - 1 Temperature, 3 pulse

2T/2P - 2 Temperature, 2 pulse

4M - 4 Milliamp (4-20mA or 0-25mA)

There's a DATA*pro model for every application*

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 AC current, DC voltage, DC milliamps, pulse count, or temperature

Measurements .. Min, Max, Average, Total

Frequency ..... 10 Hz (pulse) and 50 or 60 Hz (current)

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 current waveform) or 10 Hz, interrupt driven

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

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

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

Operating Temp...-7 to 60 ^{O}C (20 to 140 ^{O}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)

Duncan Instruments Canada Ltd. 121 Milvan Dr. M9L1Z8 Ph. 416-742-4448 Fax. 416-749-5053

CT SPECIFICATIONS

Split Core Current Transformers

100/200/400/600A
3.18 cm (1.25") Window

The low-cost solution for permanent or long-term studies. The split core design means no de-energizing or wire disconnection required.

Opening "Split-Core" Current Transformer (SCT) provides linear output voltage that is directly proportional to the input current. This current transformer is easily and safely installed over existing electrical power lines without disconnecting the lines or interrupting service.

DENT's energy monitoring components are used for a variety of applications including building automation, tenant submetering, performance verification, energy management and new technology assessment.

DENT P/N	NOMINAL RATING (Amps)	USEFUL CURRENT RANGE (Amps)	DIMENSIONS				
			A	B	C	D	E
CT-SCM-0100	100	10 - 130	8.26 cm (3.25")	8.51 cm (3.35")	2.54 cm (1.00")	3.18 cm (1.25")	3.18 cm (1.25")
CT-SCM-0200	200	20 - 260					
CT-SCM-0400	400	40 - 520					
CT-SCM-0600	600	60 - 780					

Electrical Specifications

Output Signal
333mV @ rated current

Accuracy
+/- 1% at 10% to 130% of rated current

Phase Shift
<2° at rated current

Frequency Range
50 Hz to 400 Hz

Mechanical Specifications

Dimensions
8.26 x 8.5 x 2.54 cm
(3.3 x 3.4 x 1.0")

Polarity
White lead is positive

Output Lead
Leads 2.7 m (8 ft) twisted pair
22 AWG

Operating Temperature
Maximum 105°C (220°F)

Other Features

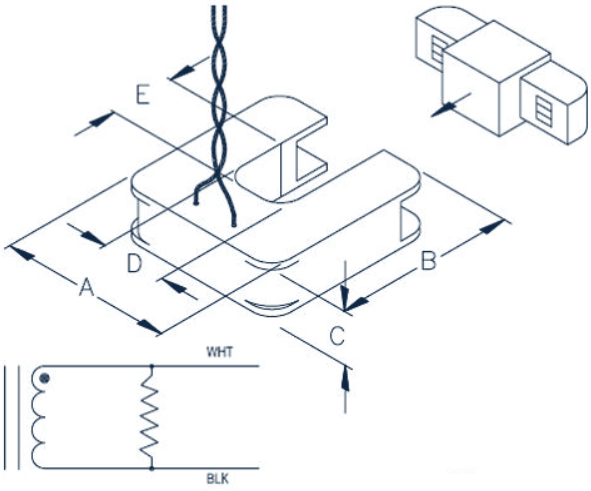
Window Size
3.18 cm (1.25")

Weight
340 g (12 oz)

Dielectric Strength
5000V around the case
600V rated leads

Storage Temperature
Maximum 105°C (220°F)

Case Protection
Epoxy encapsulated housing



Safety Specifications

ETL Listed
Compliant with IEEE C57.13-1993

Working Voltage
Maximum 600 Vrms

Ordering Part Number

Available Unterminated (U) or with Banana Plugs (B)

CT-SCM-0100-U or -B
CT-SCM-0200-U or -B
CT-SCM-0400-U or -B
CT-SCM-0600-U or -B