



e-TRacKER Portable Energy Monitor



All data exported to Deltrax 5 software and Spreadsheet.

The e-TRacKER is a portable kWh meter which monitors the incoming power supply to show the pattern of demand over an hour, day, week or month. As e-TRacKER is portable you have the flexibility to use it for measuring circuits and specific equipment without the need to have a fixed sub-metering solution.

Features:

- Mains or 16 day battery operation
- Magnetic back for easy mounting
- Multiple memory locations
- Pulse input
- Optional voltage connections
- CT amps range indicator
- Clip-on CTs for fast safe installation
- EV-Trac electrostatic phase identifier
- Deltrax5 software is Windows 10 compatible

The e-TRacKER also displays average and peak demand to enable the calculation of load factor. Deltrax5 software highlights demand excursions and potential unauthorised consumption.

Sold as a full kit comprising

- e-TRacKER with integral EV-Trac 1Ø -3Ø Voltage reference converter
- Set of 3 F30-1000 Dual range flexeclamp CTs 30cm - 1000Amps/200Amps
- Set of 3 fused volt clips
- Single phase lead, EV-Trac phase identity probe
- Report and graphical analysis software
- 1 USB memory stick
- Carry case
- Total kit weight 4kg



Three practical, accurate connection options (for single and 3 phase use):

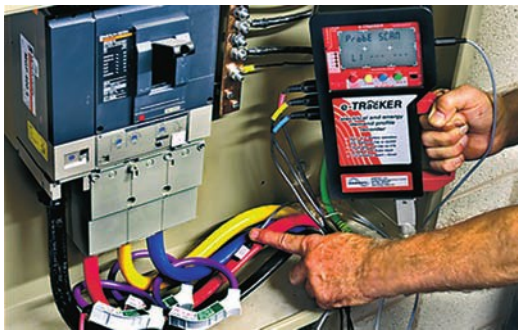
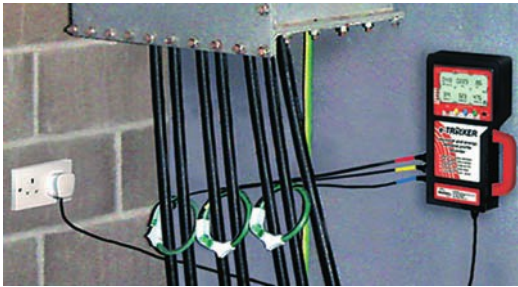
<p>Use e-TRacKER with its fused voltage clips for maximum accuracy on all parameters</p> <p>3Ø direct voltage measurement</p> <p>CT load direction arrows to face load, CT colour must match colour coded voltage clips</p>		<p>Follow standard safety procedure</p>
<p>EV-Trac 3 phase volt reference conversion from a single phase socket outlet</p> <p>3Ø EV-Trac voltage pickup</p> <p>1Ø to 3Ø voltage synthesis</p>		<p>Finger held probe included to identify phase on low load</p> <p>Battery on permanent charge via socket</p>
<p>Battery only operation measuring current and calculated kVA demand profiles</p> <p>3Ø current recording</p> <p>With calculated kVA demand profile</p>		<p>Basic recordings of demand profiles and phase balance</p> <p>2+ weeks battery life</p>

EV-Trac Installation examples

e-TRacKER magnetically clamps to the transformer housing and tracks the voltage at the socket.

The 3 phase vectorial equivalents are calculated then assigned to the appropriate measured current phases, thus maintaining power factor accuracy.

Where the load current is too low for auto identification, e-TRacKER will request the use of its EV-Trac Probe. This is simply touched to the cable installation for the display to indicate identity L1, L2 or L3.



e-TRacKER Operational Specifications

ELECTRICAL

Current Input	Clip-On or Flexeclamp CTs, 400mV. FS output
Current Range	50Amps full scale - 2500Amps full scale
Voltage Direct 3Ø	450V L-L 50Hz via voltage Clips
Voltage Direct 1Ø	240V 50Hz via 1Ø socket outlet
Voltage Nominal	Adjustable 1Ø 220V +/- 10%, 3Ø 400V +/-10%
Pulse Input	Volt free contact interface option
Battery	Rechargeable cyclon 4V/2.5AH battery
Charge sources	Integral charger via voltage connections
Battery life	Approx 2 weeks of recorded current and calculated kVA only
Insulation inc CTs	2.5kV for 1min
Connection Leads	CT to Plug 1.5m

ACCURACY

Clip-On CTs	True RMS measurement of voltage & current +/-1% percentage of reading @25°C for PF -0.7 -1 & 10% -100%IP
Flexeclamp CTs	+/-2% of reading within conditions as above

CONSTRUCTION

Material	ABS case with insulated magnetic mounting panel
Climatic	Oper.Temp -10°C-+50°C, 95% RH (NC), IP30 protection

STANDARDS

Calibration & Safety	IEC 1036 and IEC 61010-1
EMC	EN55022:1994, EN50082 Pt.1 1992

Memory Span

e-TRacKER has capacity to store 16,000 lines of all parameters, either on one file or as an aggregate total on up to five separate recording files. Recording will stop when the memory is full.

Integration Period Mins.	60	30	20	15	10	5	2	1	0.1(6s)	H1(1sec)
Memory Duration Days	666	333	222	166	111	55	22	11	25 hrs	9 hrs*

*V₁, V₂, V₃, I₁, I₂ & I₃ only

e-TRacKER CT Selection

CT Style	CT Part Number	Nominal Size ID/Length	Nominal Ip Amps range	Accuracy PF-0.7 to unity temp 25°C 50/60Hz	Max Overall Cable Diameter ∅	Outlines
Hinged Clip On	SA16ET	16mm	200A	1.0%	16mm	
	SA32ET	32mm	500A	1.0%	32mm	
	SA48ET	48mm	1000A	1.0%	48mm	
	SA60ET	60mm	1500A	1.0%	60mm	
Flexeclamp Clip Round	FL300ET	300mm length	1000A	2.0%	85mm	
	FL400ET	400mm length	1500A	2.0%	110mm	
	FL500ET	500mm length	2000A	2.0%	140mm	
	FL600ET	600mm length	2500A	2.5%	170mm	
	FL700ET	700mm length	2500A	3.0%	200mm	
Precision Clip On	SFEP-50	15mm	50A	1.0%	15mm	
	SFEP-100	15mm	100A	1.0%	15mm	

Other Amp ranges are available. Please contact the Technical Team for further details.

In pursuance of our policy of continued improvement Sinergy Meters reserve the right to change the design or specification of its products without notification



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