

Power Quality Analysis

For industrial, commercial and institutional premises, there is often the need to determine the quality of the electrical supply and distribution, both for reliability and predicting future works. We have the equipment and expertise to carry out a full power quality analysis, ensuring that you can rely on your electrical systems.



Our power quality analysis equipment can accurately monitor and record:

- AC RMS voltages up to 480V (phase to neutral) or 830V (phase to phase) for two-wire, three-wire and four-wire networks
- Alternating RMS currents up to 3000 A RMS
- Frequency of 50Hz networks (10Hz to 70Hz)
- Active, reactive and apparent power per phase and their aggregate
- Harmonic Distortion (Up to the 50th harmonic)
- Average value of any parameter, calculated over a period running from 1 sec to 2 hours. Storage of values over an unlimited period in the instrument memory
- Power disturbances (swells, dips and interruptions, overrun of power and harmonic thresholds) These are recorded and time stamped
- Detection of transients and recording of the associated waveforms

Did you know our other services include:

* Generator Installations	* Generator Control Panels	* Switchgear Installations
* All Commercial / Industrial Electrical works	* Electrical Control Panels	* Adapt & Extend Switchgear
* Electrical Installations	* Power Quality Analysis	* UPS Systems

Our service covers the installation and removal of equipment and the production of graphical interpretations of data collected.

For more information please contact our sales team at:
switchgear@knightelectrical.co.uk or Telephone (01460) 259 250

KNIGHT Electrical

*Controlling your
Power*

National Inspection Council for
Electrical Installation Contracting

NICEIC
APPROVED CONTRACTOR

REGISTERED MEMBER

ECA



Knight Electrical Ltd
 The Old Workshop
 Eaglewood Park
 Ilminster
 Somerset
 TA19 9DQ

Tel: 01460 259250

Fax: 01460 259318

Email:

info@knightelectrical.co.uk

VAT Reg No: 515 7377 35

Directors:

Mr R. D. Knight
Mr M. A. Bristow
Mr T. E. N. Brooks

Knight Electrical Limited registered as
a company in England No. 3747577

Registered Office: The Old Workshop
Eaglewood Park, Ilminster, Somerset TA19 9DQ