

# POWER QUALITY HEALTH CHECK

**Nominal Values**

Mains System :  
Phase Voltage :  
Phase to Phase Voltage :  
Frequency :

**Report Key :** ● Okay ● Advisory ● Int

Parameter	Phase 1
Frequency	50Hz
Voltage	230V
Minimum	243.70
Maximum	231.90
Average	211.95
Current	60.86
Minimum	231.7
Maximum	118
Average	

Parameter	Phase 1
KVA	13.70
Minimum	48.93
Average	58.98
KVAR	14.35
Minimum	40.12
Maximum	37.21
Average	-4.78
PF	4.18
	-1.36
THD V	
THD I	19.54%

**Voltage Harmonics**

Parameter	Phase 1
Vh3	●
Vh5	●
Vh7	●
Vh9	●

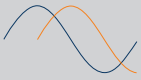
## What is a Power Quality Health Check?

When you hire or buy a power quality analyser or energy logger it gives you the ability to look at and record energy and power issues. However, when you start to look at the information you may need assistance to understand what the results are telling you.

Power Quality Health Check allows you to send us your data and we will analyse the results and prepare the report for you. We can make recommendations on common problems such as Power Factor, Over or Under Voltage, Voltage Harmonics and Current Harmonics with advice on solutions.

All of your reports are held online in your personal account and can be accessed whenever you need or shared through an individual emailable link.

The Power Quality Health Check report can be done directly with us or through your local test equipment hire company or electrical distributor.



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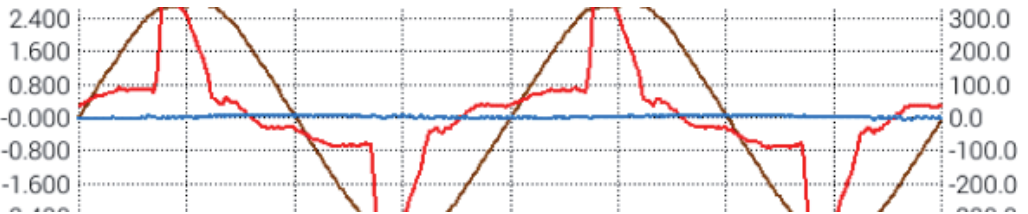
## What do I need to use for a Power Quality Health Check?

You need to use a Power Quality Analyser such as the Sonel PQM-703 or Fluke 435, a Power Quality Meter like the Sonel PQM-700 or a Power Energy Logger such as the Chauvin Arnoux PEL103. However, we support most of the major manufacturer's test equipment so if you already have a meter please contact us and we can advise on its compatibility with our service.



## What do I need to do for the Power Quality Health Check?

If you already have access to a Power Quality Analyser, Power Quality Meter or Power Energy Logger then you are halfway there. Set up your meter to record data for a one week survey of the electrical installation, then upload the file you have recorded through our portal and we will do all the analysis of the raw data. Your report will be made available online and for download as a PDF file.



## Do Power Quality Health Checks work?

Yes, over the past few years electrical installations and electrical loads have changed and become more complex. Modern electrical installations and electrical equipment can produce harmonic problems and over voltage on site maybe causing higher than expected energy bills and lower life expectancy for equipment.

Identifying areas of concern can help reduce equipment downtime, energy costs and help plan for future expansion and free up spare energy capacity.

Since its creation, Power Quality Expert has helped numerous companies and contractors to identify power quality problems and investigate power quality issues.

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