



POWER QUALITY ANALYSIS

Using the latest Fluke Power Quality Analysers, our engineers are able to pinpoint power quality problems faster, safer and in greater detail. We are able to measure virtually every power system parameter, including voltage, current, frequency, power, energy consumption, cos f / power factor, unbalance, and harmonics and inter-harmonics.

With these three-phase power quality meters and an array of other electrical test equipment, we are able to locate, predict, prevent and troubleshoot problems in three phase and other power distribution systems.

Applications

Frontline troubleshooting

Quickly diagnose problems on-screen to get your operation back online

Predictive maintenance

Detect and prevent power quality issues before they cause downtime

Quality of service compliance

Validate incoming power quality at the service entrance

Long-term analysis

Uncover hard-to-find or intermittent issues

Load studies

Verify electrical system capacity before adding loads

Energy assessments

Quantify energy consumption before and after improvements to justify energy saving devices



Volts/Amps/Hz	L1	L2	L3	N
U rms	230.80	223.86	222.38	9.74
U pk	324.8	326.0	316.0	17.3
CF	1.41	1.46	1.42	1.78
Hz	49.994			

Volts/Amps/Hz	L1	L2	L3	N
A rms	286	275	282	
A pk	427	421	424	
CF	1.49	1.53	1.50	



DATE	TIME	TYPE	LEVEL	DURATION
08/13/14	12:00:00	HO	0.5%	
08/13/14	12:00:00	HO	0.5%	
08/13/14	12:00:00	HO	0.5%	
08/13/14	12:00:00	HO	0.5%	
08/13/14	12:00:00	HO	0.5%	

U rms	L1	L2	L3	Total
230.83	223.86	222.38	9.76	
A rms	286	275	282	2.2
Hz	50.004			
KU	64.7	58.9	62.1	185.6

PK	PK	PK	PK	PK
0.98	0.96	0.99	0.98	
0.99	0.97	1.00		

Electrical Load Analysis, Load studies and energy assessments

- Monitor maximum power demand over user-defined averaging periods
- Energy consumption tests
- Measure harmonic distortion caused by electronic loads
- Analyse reliability problems by capturing voltage dips and swells from load switching
- Event capture / waveform capture, logging and graphing
- Statistical analysis and reporting



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