

QUALSTIK PLUS

POWER QUALITY METER

FEATURES

Measures leading or lagging power factor

Measures Amps

Indicates direction of current flow

Samples and holds up to nine sets of readings



SURVEY POWER QUALITY PROBLEMS

The Qualstik Plus is a live-line tool for comprehensive power quality measurements to aid in researching problem sources on the distribution system.

The Qualstik is developed specifically for utility personnel researching distribution power quality issues. As more distributed energy comes online, the importance of understanding power factor and current flow from the source is increasing.

The SensorLink amp sensor does not use magnetic materials and has no moving parts. The opening of the sensor is electronically closed and external currents are electronically rejected. The True Power Factor is calculated by measuring the electric field in comparison with the current reported from the amp sensor.

The Qualstik Plus is not position sensitive; slip it over a conductor and touch the electrode in the bottom of the fork to the line. The meter will store and calculate the three measurements within seconds. The current reading is shown on one line of the display while the power factor and THD readings share the other line. The direction of current flow indication shows below the other readings on the display.

The unit will hold up to nine sets of readings, which the user can review and edit directly from the unit. The ability to take multiple reading sets allows the user to take several measurements before bringing the unit down to eye level.

The housing of the unit is built to operate safely, even in severe utility environments. It is resistant to shock, water repellent, unsusceptible to flame, and operates in a wide temperature environment.

APPLICATIONS

- Survey Primary circuits to determine proper placement of power factor correction devices
- Identify the presence of power quality problems
- Survey primary lines for harmonic distortion
- Verify the direction of current flow

QUALSTIK PLUS SPECIFICATIONS		
Model Number	8-061 XT PLUS	8-062 PLUS
Description	Qualstik Plus	Wide Jaw Qualstik Plus
Sensor Opening	2.5 in, 6.35 cm	3.86 in , 9.8cm
Weight	3.0 lbs, 1.37 kg	3.5 lbs, 1.58 kg
Frequency, 50 Hz	47 to 53 Hz	
Frequency, 60 Hz	57 to 63 Hz	
Measurements	Nine Readings	
Range of Operation		
True RMS Amps	1-2000 A (5-2000A for the 8-062 PLUS)	
Power Factor	0.01 lag to 0.01 Lead	
THD Amps	1-100%	
Current Flow Direction	Amps in or Amps Out	
Voltage phase to phase	600 Volts to 500kV	
Resolution		
Amps 1-99.9A	0.1 A	
Amps 100-2000A	1 A	
Power Factor	1.0 to .01	
THD Amps 0.1% to 10%	0.1%	
> 10%	1.0%	
Accuracy		
Amps	± 1% ± 2 Counts	
Power Factor	±.01 from .71 lead to .71 lag	
THD Amps	±1% from 0 to 25%	
EEC Standards	Successfully passed international test standards indicated by CE	
Mechanical		
Controls	Single button operation	
Operating Temperature	-22° to +140° F, -30° to +60° C Lithium battery required for temperatures below -4°F (-20°C).	
Display	Graphics LCD	
Housing	Shock & water resistant molded urethane	
Hot Stick Mounting	Universal chuck adapter (Hot stick not included)	
Battery	9V Alkaline or Lithium	



Qualstik XT in 8019 Case



WJ Qualstik in 7046 Case



SensorLink® Corporation
 1360 Stonegate Way
 Ferndale, WA 98248
 p: +360.595.1000
 e: info@sensorlink.com
 www.sensorlink.com