

# Qualstik XT PLUS Live-Line Power Quality Meter

*Measures up to Eight sets of readings*

*Measures amps*

*Measures leading or lagging power factor*

*Measures total harmonic distortion (THD)*

*Measures direction of current flow*

*±1% accuracy*

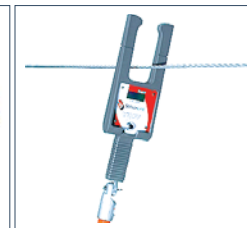
*High voltage rated 500kV*



Widejaw QualstikPlus



Hotstick Mounted



**The Qualstik** line of Power Quality Meters has been developed specifically for the measurement of four important items of power quality in the electric utility industry. These are Current, True Power Factor, Total Harmonic Distortion and the Direction of Current Flow.

**The Qualstik XT Plus** is an excellent survey instrument for locating problem areas for comprehensive testing. The SensorLink patented 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 analyzing the voltage waveform in comparison with the current reported from the amp sensor.

**The Qualstik XT Plus** is not position sensitive; just slip it over a conductor and touch the electrode in the bottom of the fork to the line. The current reading is shown on one side of the display, while the power factor and THD readings share the other side. The direction of current flow indication shows below the other readings on the display.

**The universal hotstick** adaptor and internal structure of the Qualstik XT Plus are made of long glass fiber reinforced thermoplastic polyurethane called Celstran. This space-age polymer is non-conductive and extra tough to protect the amp sensors. The housing is made of urethane and built to operate safely, even in severe utility

environments. The Qualstik XT Plus is resistant to shock, water repellent, flame retardant and operates in a wide temperature environment.

**The Qualstik XT Plus** is an excellent survey tool to assist determining placement of power factor correction devices, as well as identifying other power quality problems.

**The Qualstik XT Plus** is designed to store up to eight sets of readings, which the user is then able to delete on the instrument. The ability to hold the multiple readings ends the need to raise and lower the hotstick after each read.

## Applications

Survey primary circuits to determine proper placement of power factor correction devices

Survey primary lines for harmonic distortion

Verify IEEE 519 compliance

Identify the presence of power quality problems



## Qualstik XT *Plus* Live-Line Power Quality Meter

<b>Model Number</b>	8-061 XT Plus	8-062Plus
<b>Frequency</b>	60 Hz or 50 Hz	60 Hz or 50 Hz
<b>Measurements</b>	Eight Reads	Eight Reads
<b>True RMS Amps</b>	1-2000A	5-2000A
<b>Power Factor</b>	0.01 Lag to 0.01 Lead	0.01 Lag to 0.01 Lead
<b>THD Amps</b>	1-100%	1-100%
<b>Current Flow Direction</b>	Amps In or Amps Out	Amps In or Amps Out
<b>Resolution</b>		
<b>Amps</b>	1 to 99.9A 0.1A	1- 99.9A 0.1A
<b>Amps</b>	100 to 2000A 1A	100-2000A 1A
<b>Power Factor</b>	1.0 to .01	1.0 to .01
<b>THD Amps</b>		
<b>0.1% to 10%</b>	0.1%	0.1%
<b>&gt; 10%</b>	1.0%	1.0%
<b>Accuracy</b>		
<b>Amps</b>	±1% + 2 Counts	± 1% +2 Counts
<b>Power Factor</b>	±.01 from .71 lead to .71 lag	± .01 from .71 lead to .71 lag
<b>THD Amps</b>	± 1% from 0 to 25%	± 1% from 0 to 25%
<b>Range of Operation</b>		
<b>Voltage</b>	600 Volts to 500kV	600 Volts to 500kV
<b>Mechanical</b>		
<b>Sensor Opening</b>	2.5 inches (6.35 cm)	3.86 inches (9.8 cm)
<b>Weight</b>	2.3 lbs. (1.05 kg)	3.75 lbs (1.71 kg)
<b>Operating Temp.</b>	-4 to +158 degrees F (-20 to +70 degrees C)	
<b>Display</b>	Graphics Display	
<b>Housing</b>	Shock & water resistant molded urethane	
<b>Controls</b>	One button operation	
<b>Hotstick Mounting</b>	Universal chuck adapter (Hotstick not included)	
<b>Battery</b>	9 volt alkaline	
<b>EEC Standards</b>	Successfully passed international test standards indicated by $\text{CE}$	
<b>Options</b>		
<b>Hard Carrying Case</b>	Model 7-044	



Optional Hard Case



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