EXTECH INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage

PRODUCT DATASHEET

3-Phase Power & Harmonics Analyzers

Power Measurements and Analysis + Datalogging

Of single and 3-phase/3-wire or 3-phase/4-wire systems plus datalogs to 52,428 single phase readings or 17,476 3-phase readings

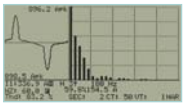


Includes (3) flexible current clamps, (4) voltage leads with alligator clips and retractable plunger clips, 8 AA batteries, universal AC adaptor, software, USB interface cable, and case

Features:

- Two models to choose from:
  - **Model PQ3350-1** (1200A 12" flexible current clamp probes)
  - **Model PQ3350-3** (3000A 24" flexible current clamp probes)
- Flexible clamp probes can be used for wrapping around bus bars and wire bundles
- Large backlighting LCD displays up to 35 parameters in one screen
- Clamp-on True RMS power measurements with on-screen Harmonics display
- Simultaneous display of Harmonics and Waveform
- Display of Waveform with Peak Values (1024 samples/period)
- Analysis of Total Harmonic Distortion (THD-F)
- Maximum Demand (MDkW, MW, kVA, MVA) with programmable period
- Adjustable CT ratio (1 to 3000) and VT ratio (1 to 600)
- Graphic Phase diagram with 3-Phase system parameters
- 3-phase Voltage or Current Unbalanced Ratio (VUR, VIR) and Unbalanced Factor (d0%, d2%)
- Calculated Unbalanced Current through Neutral Line (In)
- Capture 28 Transient events (including Dip, Swell and Outage) with programmable threshold (%)
- Optically isolated USB interface with software to download Waveforms, Power Parameters and Harmonics

Meter Displays



Harmonics Analysis



Power Analysis



Phase Analysis



Internal Menu

Specifications	Range	Basic Accuracy
ACV (True rms)	600V	±(0.5%rdg+5d)
AC Current	Model PQ3350-1 (1200A)	±(0.5%rdg+5d)
	Model PQ3350-3 (3000A)	±(0.5%rdg+5d)
Active Power (kW)	9.999MW	±(1%rdg+8d)
Apparent Power (kVA)	9999kVA	VA=Vrms x Arms
Reactive Power (kVAR)	9999kVAR	VAR= sqr (VA^2-W^2)
Power Factor	0.0 to +1.00	±(1.5%°rdg±8d)
Frequency	45-65Hz	0.1Hz
Phase	-180.0°~ 0°~ +180.0°	±1°
Harmonics	1 to 99	±2%
Crest Factor	1.00 to 99.99	±(5%+30d)
Peak AC Voltage accuracy		±(5%rdg+30d)
Peak AC Current accuracy		±(5%rdg+30d)
Active Power Energy (kWh)	0mWh to 999,999kWh	
Reactive Power Energy (kVARh)	0.0kVARh to 1000MWh	
Datalogging	52428 records (single phase)/17476 records (3 phase)	
Dimensions/Weight	10.1 x 6.1 x 2.3" (257 x 155 x 57mm)/ 2.5 lbs (1160g)	

Ordering Information:

PQ3350-1 ..1200A 3-Phase Power Harmonics Analyzer Kit
PQ3350-3 ..3000A 3-Phase Power Harmonics Analyzer Kit
Accessories
PQ3350* ....3-Phase Power Harmonics Analyzer w/Test Leads & Case
PQ1000 .....Voltage Test Leads w/ Alligator and Plunger Clips (4 leads)
PQ3110 .....100A Current Clamp Probes (Set of 3)
PQ3120 .....1000A Current Clamp Probes (Set of 3)
PQ3210 .....1200A, Flexible Current Probes (Set of 3)
PQ3220 .....3000A, Flexible Current Probes (Set of 3)

Optional Clamp Probes

Choose the best clamp probes to fit your application needs ranging from 100A to 3000A and flexible vs traditional jaw type.



Model PQ3220 (3000A)
Model PQ3210 (1200A)

1200A (12"/304mm) or 3000A (24"/609mm) Flexible Current Clamp Probes for wrapping around busbars



Model PQ3120
1000A Current Clamp Probes with 2.2" (55mm) jaw opening



Model PQ3110
100A Current Clamp Probes with 1.2" (30mm) jaw size

*Customize your kit!

It's easy to create your own Power Quality Kit to fit your application needs. Purchase the meter PQ3350 and then the type of Clamp Probes. The PQ3350 includes the meter, test leads and hard carrying case.

CE EN 61010-1 CAT III 600V

Specifications subject to change without notice.
Copyright © 2010-2011 Extech Instruments Corporation. All rights reserved including the right of reproduction in whole or in part in any form.

11/29/12 - R1