

1. Power Quality Analyzer [PW3198]

Power quality analyzer is a comprehensive low cost 3-phase balanced analyzer for Energy Management. It is a handy instrument which can measure voltage, current, power, energy and power quality measurements.

Features of power quality analyzer:

- ❖ Large colour LCD screen for graphical menu-driven display.
- ❖ Continuous cycle by cycle measurement of both current and voltage @ 256 samples/cycle – for accurate and dependable measurements even on non-linear loads.
- ❖ Suitable for 1-Phase & balanced 3-Phase loads.
- ❖ Motor inrush current recording.
- ❖ Recorded data can be viewed as trends on the meter screen for quick analysis on the field minimizing dependence on PC/Laptop; Zoom-in/ Zoom-out facility for better resolution enabling in-depth analysis.
- ❖ Harmonics Export/Import and sequence information.
- ❖ RS-232 serial port for communication and data transfer to a PC.
- ❖ 8 screens (waveforms, vector diagrams, data, etc..) can be stored - can be either viewed on meter or downloaded to PC.
- ❖ Different parameters can be recorded under 4 user-defined configurations; Multiple record sessions can be carried out without deleting data.
- ❖ 8-40 hours battery back-up (depending on screen mode) for un-interrupted field studies.

Fig. 2 shows the Power Quality Analyzer screen for voltage and current measurement. The upper graph shows the voltage plot. The yellow colour graph indicates the input voltage while the red colour plot indicates the output voltage. The bottom graph represents the current waveform. The yellow colour indicates the input current and red colour indicates the output current. As observed from the upper graph, the output for a sinusoidal input voltage becomes nearly constant as indicated by the straight line.



Power quality analyzer PW3198

2. Digital Storage Oscilloscope (DSO) (DLM 2022)

YOKOGAWA 

DLM 2000 Series

Mixed Signal Oscilloscope

Lineup includes 200 MHz, 350 MHz, 500 MHz bandwidth models
Lightweight and compact
Large 8.4-inch LCD display
Long memory: Up to 125M points (with /M2 option)
High speed sampling: Up to 2.5 GS/s (1.25 GS/s with 4 ch)

DLM 2000

For more information, go to tmi.yokogawa.com
Test & Measurement Instruments

 3-Year Warranty 

Bulletin 7101-00E

Digital Storage Oscilloscope

Salient Features of Yokogawa make DSO DLM2022

- (1) Sophisticated waveform acquisition engine.
- (2) Large capacity memory enables long duration measurements
- (3) Frequency range 200MHz
- (4) Zooms into two different points
- (5) Displays trends of peak to peak or pulse width per cycle etc.

For further details contact:

Dr. R V Parimala
Professor and HOD,
Department of Electrical & Electronics
Engineering, BNMIT, 27th cross, 12th main,
Banashankari 2nd stage,
Bengaluru – 560 070.

Phone: (office) 080 – 26711781 / 26711782

Extn:213 (Mobile) 8095150080

Email: hodeee@bnmit.in