

Three-phase Power Quality Analyzer



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



This device supports RJ45 high-performance 10/100 Ethernet function for stable data transmission



Model 6631S

DT-6630S/6631S

Three-phase Power Quality Analyzer

The Three-phase power quality analyzer meter measures currents and voltages and harmonics. Frequency reports real-time RMS values for all 3-phases and neutral. In addition, the power quality analyzer meter calculates power factor, realpower, reactive power, and more.

Features	6630S	6631S
Adopting a 32-bit Cortex-M4 core system, paired with a high-definition 4.3-inch 800 (RGB)* 480 Pixels IPS TFT display screen.	*	*
The instrument has a built-in 32G TF storage card.	*	*
Supports RJ45 high-performance 10/100 Ethernet functionality, compliant with IEEE802.3/802.3u (FastEthernet). Compliant with ISO 802-3/IEEE 802.3 (10BASE-T).	*	*
Supports USB storage and copying of data.	*	*
Support recording measurement data to built-in TF card or USB drive.	*	*
The interfaces between the measurement end and the system end have 3000V isolation protection.	*	*
ABC Phase Phasor		*
ABC Phase Harmonic & Inter-harmonic		*
ABC Phase Scope		*

Specifications	Measuring Range	Resolution	Accuracy	6630S	6631S
L1 (A), L2 (B), L3 (C) RMS voltage (Vrms) (Communication)	5 to 1000V Phase line to neutral line	0.01V	Nominal voltage 0.2%	*	*
N effective value voltage (Vrms) (AC/DC)	5 to 800V Phase line to neutral line	0.01V	Nominal voltage 0.5%	*	*
Roche coil: RMS current (Arms) (AC)					
ZRC150: 85mV/kA at 50Hz	10 to 3600A (AC)	0.01A	0.5% (1% to 120% full scale, accuracy not guaranteed for <10A) ±5counts	*	*
SRC250-50mV: 50mV/kA at 50Hz	30 to 10000A (AC)	0.01A			
Open end current clamp (Arms) (AC)					
ST08 (5A)	10mA to 5A (AC)	0.001A	0.5% (100mA to 5A), 1% (10mA to 100mA)	*	*
ST08 (10A)	10mA to 10A (AC)	0.001A	0.5% (100mA to 10A), 1% (10mA to 100mA), <10mA does not guarantee accuracy	*	*
Peak current: Roche coil (AC)					
ZRC150	3000 A				
SRC250-50mV: 50mV/kA at 50Hz	10000 A	1 Arms	±5%	*	*
Peak current: Open end current clamp (AC)					
ST08 (5A)	5A	0.001A	0.5% (100mA to 5A), 1% (10mA to 100mA)	*	*
ST08 (10A)	10A	0.001A	0.5% (100mA to 10A), 1% (10mA to 100mA), <10mA does not guarantee accuracy	*	*
Frequency	45 to 65Hz	0.001Hz	±0.01Hz	*	*
Power	Active and apparent power	0.01	IEC62053-22 grade 0.5S	*	*
	Reactive power	0.01	IEC62053-21 Level 2S	*	*
Electric Energy	Power factor (Cos φ/DPF)	0 to 1	±0.005	*	*
	Active Energy (Wh)	Depending on clamp scaling and nominal voltage		*	*
Harmonics	Reactive Energy (Varh)	0.01	IEC62053-22 grade 0.5S	*	*
			IEC62053-21 Level 2S	*	*
Volts	0.0 % to 100 % (%f)	0.1%	± 0.1% ± n x 0.1%	*	*
	0.0 to 1000 V (Absolute)	0.1V	± 5%	*	*
Amps	0.0 % to 100 % (%f)	0.1%	± 0.1% ± n x 0.1%	*	*
	0.0 to 600A (Absolute)	0.1A	± 5% ± 5counts	*	*
Inter-harmonic order (n)	1 to 40 Grouping: Harmonic and Interharmonic subgroups according to IEC 61000-4-7			*	*
Phase Angle	-360° to +0°	1°	± n x 1°	*	*

Size(HxWxD): 230mm x 164mm x 65mm

Weight: 894g

Accessories : ACA current clamp sensor, USB cable, Software and gift box.



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