



CEM DT-9383W Power Quality Clamp

combination of traditional clamp meter functions with power quality analysis.

DT-9383W, a diagnostic tool for Electricians, HVAC technicians, and industrial maintenance workers.

Unlike a basic clamp meter that just measures current (amps), this tool does everything a standard clamp meter does, **plus it analyzes power quality.**

basic meter only tells you how much electricity is flowing, but a power quality clamp meter tells you how clean that electricity is.

This tool is essential for anyone who takes care of modern electrical systems that include electronics, motors, or solar and wind power.

THD , power quality measurement

Aside from True RMS, large Jaw opening (35mm) and basic measurement function, DT-9383W can measure harmonic distortion (THD), Inrush Current, Active Power (kW), Reactive Power (kVAR), Power Factor (PF), etc

Safety:

IEC61010-1 CAT III 1000V / CAT IV 600V

UL, CSA, and TÜV certification for maximum safety and global compliance

Application:**-- Troubleshooting Motor and Drive Failures (Industrial)**

Inrush current (too high) or harmonics (distortion)

-- Energy Auditing and Cost Reduction (Facility Management)

Low power factor (wasted kVAR) or kW usage per shift

-- Commercial & Data Center Power Quality**-- Renewable Energy & HVAC Commissioning**

Power factor and THD at the grid connection point



data logging & view graphs

Stored measurements can be recalled and displayed on-screen.

using graph view , electrician can better analyze the problems while troubleshooting.

and even Harmonics measurements— harmonic factors such as distortion factor and total harmonic distortion can be graphically displayed for better analysis.

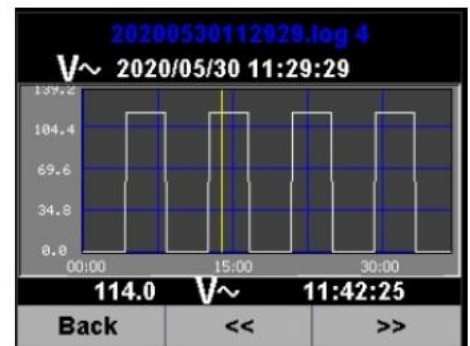


power analyzer, power quality logger

measuring kW, PF and THD

- Active Power (kW): Real power doing useful work.
- Apparent Power (kVA): Total power flowing in the circuit.
- Reactive Power (kVAR): Wasted power caused by inductive loads (motors, transformers).
- Power Factor (PF): The efficiency ratio (1.0 = perfect, <0.9 = poor).

Identifying Poor Power Factor: Spotting when inductive loads (motors, transformers) draw excessive reactive power (kVAR), which often triggers penalty fees from the electric utility.

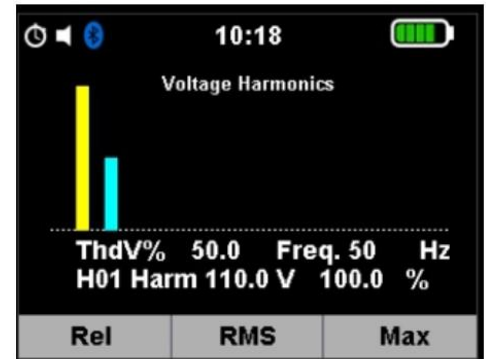


Harmonics measurements

low pass filter mode which filters out high frequency noise created by a variable frequency drives (VFD) and gives you an accurate reading

inrush current

Capturing the massive start-up surge of a motor to determine if it is mechanically stuck or electrically overloaded.



wireless connectivity, Analysis and reporting software

downloading data to a PC or smartphone for detailed analysis



FEATURES:

tool application	Troubleshooting Motor and Drive Failures (Industrial) / Facility Management / Data Center Power Quality
safety	Auto discharge of voltage test signal; IEC/EN 61010: CAT III 1000V / CAT IV 600V, safety at main panels and feeders
current Range	AC / DC up to 1000A plenty for most commercial feeders (100A–400A common)
Voltage Range	up to 1000V
Jaw Opening	Φ 35 mm
functions	Measurement of AC/DC voltage, current, resistance, capacitance, frequency, temperature, duty cycle, and continuity, etc.
power measurement	up to 1000kw, cover active AC power, apparent AC power , and active energy, power factor
Harmonics measurement (THD)	identifying how much of that "buzz" or "distortion" exists in your electrical system.
True RMS	Industrial systems often use non-linear loads (VFDs, inverters, motors). True RMS ensures accurate readings even with distorted waveforms
Inrush current	It captures that micro-second spike in current to determine if a motor is mechanically stuck or if the start capacitor is failing.
data logging & view graphs	Stored measurements can be recalled and displayed on-screen. using graph view
wireless connectivity	per Bluetooth to connect app for data storage, process and report
Ease of use	Modern design, Easy-to-Use
Backlight for LCD, Flashlight	dim electrical rooms, Illuminates dark panel interiors
Rugged Build	IP54 rating to withstand harsh outdoor or industrial environments, 2m drop protection
certification	CE, TÜV certification



WARRANTY & CERTIFICATION

All products are CE , GS and TÜV certificated. And comply with quality and safety standard, like EN 61010-1, EN IEC 61010-2, AfPS FS , etc.

Based on robust quality and customers' satisfaction, generally we provide **3 years warranty** .

More details, please consult with local traders.



TECHINICAL DATA SPECIFICATION

Power Quality Clamp Meter

MODEL		DT-9383W	
APPEARANCE			
DISPLAY		6000 counts, RGB LCD color Display Φ 33mm (1.26 inch)	
JAW DIAMETER			
MEASUREMENT		True RMS	
BASIC ACCURACY, AC		±2.5%	
MEASUREMENT FUNCTIONS			
AC CURRENT		1000 A	
DC CURRENT		1000 A	
AC VOLTAGE		1000 V	
DC VOLTAGE		1000 V	
RESISTENCE		60MΩ	
TEMPERATURE		1000°C / 1832°F with Type K	
CAPACITANCE		6000uF	
FREQUENCY		10kHz	
CONTINUITY CHECK		+	
DIODE CHECK		+	
INRUSH CURRENT		+	
ADDITIONAL FUNCTIONS			
AUTO POWER OFF		+	
AUTO RANGE		+	
DATA HOLD, PEAK		+	
MAX / MIN		+	
REL (ZERO) FUNCTION		+	
FLASHLIGHT		+	
NCV		+	
LOW INPUT IMPEDANCE (LOZ)		+	
LOW-PASS FILTER (LPF)		+	
POWER			
DC POWER		0 – 1000 kW	
ACTIVE POWER		0 – 1000 kW	
APARENT AC POWER		0 – 1000 kVA	
ACTIVE ENGERGY AC		0 – 1000 kWh	
POWER FACTOR		0.20-1.00	
HARMONIC DISTORTION (THD)		1 % ≤ THD < 100 %	



DIAGNOSTICS AND DATA			
DATA LOGGING		+	
READINGS MEMORIES		+	
TREND CAPTURE		+	
CONNECTIVITY			
WIRELESS CONNECTION		Bluetooth	
SOFTWARE		App	
GENERAL			
CE CERTIFICATION		+	
SAFETY STANDARD		CAT III 1000V / CAT IV 600V	
WATERPROOF, DUSTPROOF		IP 54, 2m drop protection	
DIMENSIONS (WXHxD)		239mm x80mm x 49mm	
WEIGHT		350g	



MORE RELATED PRODUCTS

compact clamp meter

DT-350



DT-363



clamp meter for Professional (electrician, HVAC)

DT-397



DT-3373



DT-390



DT-3383



industrial clamp meter, high-end industrial utility

TKCM-9382



DT-3376+CP20



DT-3398B



Leakage Current, Earth Ground, Process Control Clamp Meter

DT-9810



DT-398H



DT-9812



DT-9399



DT-3170



Power Quality Clamp Meter

DT-9383W



Premium Clamp Meter + Thermal Imager

DT-9581



Wireless Connect (PC / App)

CEM Connect App Software Series



1. scan QR code
 2. download App
- Meterbo Pro**

