

Тестеры DT-73T/73AL/73E, DT-1580, DT-800A/800B, DT-7750, DT-9809, DT-9810H, DT-9812, DT-9133, DT-9010

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Model 1580



The Professional Ultrasonic Thickness Gauge is an innovative instrument that signals a new era in ultrasonic thickness gaging. Ideally suited for almost every ultrasonic thickness application, this handheld thickness gage is fully compatible with a full line of dual and single element transducers. The versatile Professional Ultrasonic Thickness Gauge can be used in applications ranging from wall thinning measurements of internally corroded pipes with dual element probes to very precise thickness measurements of thin or multilayer materials with single element transducers. The Professional Ultrasonic Thickness Gauge comes standard with many powerful but easy-to-use measurement features and a host of application-specific software options. Its sealed case is designed to meet IP67 requirements to withstand the rigors of very wet or dusty environments. The color transfective VGA display provides superior readability from bright sunlight to complete darkness. It features a simple, ergonomic keypad that can be operated with the left or right hand for easy access to all functions.

Features

Dual and single element transducer compatibility
Wide thickness range: 0.08 mm (0.003 in.) to 635 mm (25 in.) depending on material and transducer selection
Corrosion thickness gaging with dual element transducers
Internal Oxide/Scale software option
Standard resolution of 0.01 mm or 0.001 in. for all transducers
High Resolution software option of 0.001 mm or 0.0001 in. with single element transducers 2.25 MHz to 30 MHz
Multilayer software option for measurements of up to 4 layers simultaneously
High Penetration software option for attenuating materials such as fiberglass, rubber and thick casting
Thickness, Velocity, and time-of-flight measurements
Differential mode and Reduction Rate mode
10,000 reviewable readings per scan

Specifications

Measurements	Dual element transducer measurement mode	Time interval from a precision delay after the excitation pulse to the first echo
	Through paint measurement mode	Measurement of true metal and coating thicknesses with a single back-wall echo
	Through paint echo to ech measurement mode	Time interval between two successive back-wall echoes to eliminate paint or coating thickness
	Single element transducer measurement modes	Mode 1: Time interval between the excitation pulse and the first back-wall echo Mode 2: Time interval between the delay line echo and the first back-wall echo (with delay or immersion transducers) Mode 3: Time interval between successive back-wall echoes following the first interface echo after the excitation pulse (with delay line or immersion transducers) Oxide: optional Multilayer mode: optional
	Thickness range	0.080 mm to 635.00 mm (0.003 in. to 25.000 in.) depending on material, transducer surface conditions, temperature, and selected configuration
	Material velocity range	0.508 mm/μs to 13.998 mm/μs (0.020 in./μs to 0.551 in./μs)
	Resolution (selectable)	Low: 0.1 mm (0.01 in.) Standard: 0.01 mm (0.001 in.) High Resolution (optional): 0.001 mm (0.0001 in.)
	Transducer frequency range	Standard: 2.0 MHz to 30 MHz (-3 dB) High Penetration (optional): 0.50 MHz to 30 MHz (-3 dB)
Display	4" TFT LCD display	
Power supply	AC/DC adaptor, 24 V; lithium-ion battery 23.760 Wh; or 4 AA auxiliary batteries	

Size(HxWxD): 216mm x 100mm x 47mm

Weight: 706g

Accessories:

3.7V Li battery, USB cable, CD, gift box with carrying case.

DT-800A/800B

Alcohol Tester

CE

800A/800B are simple to use, rapid response tester that are used to determine whether or not a person has any alcohol in their breath. They use the fuel cell sensor, so the reading is impossible to be affected by anything in the subject's breath other than alcohol.

800A is with red and blue backlit alarm for drunkenness.

800B is with red LED alarm for drunkenness.

Features

	800A	800B
Fuel cell sensor is high accuracy and reliability	*	*
Short warm up time, fast response and recovery time	*	*
Magnificent man-machine interaction interface	*	*
Real time reading display	*	*
Two stages acousto-optic alarm for drink and drunkenness	*	*
Auto power off under lack of pressure	*	*
Refuse test and interruption indication	*	*
Five detection unit selectable (mg/L,mg/100ml,g/L,%BAC,%BAC), Alarm level adjustable	*	*
Disposable backflow blowing nozzle design, safety and health	*	*
High capacity rechargeable battery power	*	*
Multinational drunk driving alarm threshold selection	*	*
Red and blue backlit alarm	*	
Red LED alarm		*
Datalogger and storage function		*
Detection data centralized management and USB interface to PC		*
Built-in Bluetooth, the detection data can be transferred and shared with cloud storage and cloud computing of the meter's cloud service by a smart mobile.		*
The historical record of the inquiry function		*



Model 800A

Specifications

Detection range	0.000mg/L ~1.500mg/L
Resolution	0.001mg/L
Accuracy	C<0.400 : ± 0.020 mg/L 0.400≤C<1.000 : $\pm 5\%$ C≥1.000 : $\pm 20\%$
Repeatability	C<0.400 : 0.007mg/L 0.400≤C<1.000 : 1.75% C≥1.000 : 6%
Calibration cycle	6 months
Operation temperature range	0 ~ 50°C
Storage temperature range	-10 ~ 60°C
Breath flow continuity	3s (flow: >20L/min)
Working voltage	7.4V (Rechargeable battery)



EMC
EN: 61326



Model 800B

Size(HxWxD): 240mm x 160mm x 100mm

Weight: 584g

Accessories:

7.4V Li battery, power adaptor, pipe, gift box with carrying case.



DT-7750

Appliance Tester



7750 Appliance Tester has been developed for measurements of the protective conductor resistance with compensation of the measuring line, insulating resistance, the protective conductor current, the contact current, the device leakage current, the leakage current of the applied part, and input voltage, input current, effective power and apparent power. It is for safety-related testing of electrical appliances in compliance with DIN VDE 0701-0702 and DIN VDE 0751-1



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Features:

- Measurement of the protective conductor resistance with compensation of the measuring line
- Measurement of the insulating resistance
- Measurement of the protective conductor current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the contact current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the device leakage current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the leakage current of the applied part (alternative leakage current measurement or direct current measurement method)
- Functional test with measurement of input voltage, input current, effective power and apparent power
- Testing of IEC leads and extension cables



Model 7750

Specifications

	Range	Resolution	Accuracy	Internal resistance
Measurement of the alternative leakage current	0.050~25.000mA	0.001mA	At 230 V AC $\pm 10\%$ $\pm 15\%$ of the measured value	VDE 0701-0702 Ri 2k VDE 0751-1 Ri 1k
Measurement by means of the differential current measurement method	0.050~25.000mA	0.001mA	At 230 V AC $\pm 10\%$ $\pm 15\%$ of the measured value (from 100uA on) Manual / automatic pole reversal	VDE 0701-0702 Ri 2k VDE 0751-1 Ri 1k
Test socket(functional)	0.0~360V AC(50-60HZ)	0.1V	U(V) $\pm 15\%$ of the measured value	
	0.10~20A AC(50-60HZ)	0.01A	I(A) $\pm 15\%$ of the measured value	
	0~4000W	1W	P(W) $\pm 15\%$ of the measured value	
	0~4000VA	1VA	S(VA) $\pm 15\%$ of the measured value	
Safety extra-low voltage (PELV,SELV) measurement by means of probe	0.1~360 V AC/DC	0.1V	At 230 V AC $\pm 10\%$ $\pm 15\%$ of the measured value	
LOW Ohm				
LOW Ohm	0.00~20.00	0.01 Ω	$\pm (1.5\%+5)$	NOMINAL VALUES 12.0V ± 1 VDC
	RLO $\leq 2.0\Omega$ IN ≥ 200 mA	250Vrms		
	20.0~200.0 Ω	0.1 Ω		
	200~2000	1 Ω		

Insulation Specifications

Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current
1000V (0%~+10%)	1.000~4.000 M Ω	0.001M Ω	$\pm (3\%+10)$	1mA @load1M Ω	≤ 1 mA
	4.001~40.00 M Ω	0.01M Ω	$\pm (2\%+10)$		
	40.01~400.0 M Ω	0.1M Ω	$\pm (3\%+2)$		
	400.1~1000 M Ω	1M Ω	$\pm (4\%+5)$		

Size(HxWxD): 410mm x 300mm x 171mm

Accessories : Test leads, Software and gift box.

Weight: 2.8kg

DT-9809 AC Leakage Current Tester

AC leakage current tester 9809 is a multifunction clamp meter with very good resolution of 10uA. It is very useful for power system to check and installation. With the measuring range up to 100A, this tester is great for appliance installation or for car applications

- 10uA high resolution
- Large 3³/₄ (4000 counts) LCD display
- Auto Power Off
- Shielded transformer jaw opens to 1.2"
- Max/Min, Data Hold, Low battery indication
- Overload protection



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Specifications

Function	Range	Resolution	Basic Accuracy
Current AC	40mA~100A	10uA~100mA	±(2.0%+3d)
Voltage AC	400V	0.1V	±(1.5%+10d)
Resistance	40~400Ω	0.1Ω	±(1.0%+2d)
Continuity Test	Threshold 40Ω, Continuity Beeper 2.5KHz		
1.2" (30mm) Clamp jaw opening			

Size(HxWxD): 209mm x 43mm x 30mm

Weight: 200g

Accessories: Test leads, holster, gift box with carrying case, 9V battery



DT-9810H Mini AC Leakage Current Tester with LPF Measurement

- Shielded transformer jaw opens to 1.2"
- 100μA high resolution
- Low pass filter (LPF) for accurate measurement
- Least affected by external magnetic field, providing wide measuring range from very small to large current
- Designed to safety standard IEC 61010-2-032: over-voltage CATIII 300V and pollution degree 2.
- Data hold function to allow for easy reading in dimly lit or hard-to-reach locations
- Dynamic range of 2000 counts full scale
- Auto power off

Specifications

Function	Resolution	Basic Accuracy
200mA	0.1mA	± (2.5% + 8d)
2A	1mA	± (2.5% + 8d)
200A	0.1A	± (2.5% + 8d)

Size(HxWxD): 182mm x 61mm x 34mm

Weight: 225g

Accessories:

Gift box with carrying case and 9V battery



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Model 9810H

DT-9812

1000A AC Leakage Current Tester

CEM

Features

Large transformer jaws of 68mm diameter makes it possible to clamp on all three or four wires (3 phases) together for leakage current measurement.
Frequency filter switch to eliminate the effect of the harmonics.
Measurement from mA up to AC 1000A
True RMS enables an accurate measurement for distorted waveforms.
Peak hold function
Data hold function: Allows for easy reading in dimly light or hard-to-reach locations
Large LCD display with backlight
International safety standard IEC61010-1 CAT.III 600V

Specifications

Function	Range	Range	Accuracy(50/60Hz)	Accuracy(40~1kHz)
AC Current	200mA	0.1mA	$\pm(1.5\%+10d)$	$\pm(3.0\%+10d)$
	2A	1mA	$\pm(1.5\%+10d)$	$\pm(3.0\%+10d)$
	20A	10mA	$\pm(1.5\%+10d)$	$\pm(3.0\%+10d)$
	200A	100mA	$\pm(2.0\%+10d)$	$\pm(3.5\%+10d)$
	1000A	1A	$\pm(5.5\%+10d)$	$\pm(10\%+10d)$
AC Voltage	600V	0.1V	$\pm(1.0\%+5d)$	
DC Voltage	600V	0.1V	$\pm(1.0\%+5d)$	
Resistance	600 Ω	0.1 Ω	$\pm(1.0\%+5d)$	
Continuity test	Threshold 40 Ω , Continuity Beeper 2KHz			
Conductor size	Φ 68mm max.			
Frequency response	40Hz-1kHz			
Effect of external stray magnetic field Φ 15mm 100A	10mA AC max.			
Applicable standards	IEC 61010-1 CAT.III 600V IEC 61010-2-032			

CE

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



Model 9812

Size(HxWxD): 250mm x 113mm x 45mm Weight: 490g

Accessories: , Test leads, Gift box with carrying case and 9V battery.



DT-9133 Lamp Tester

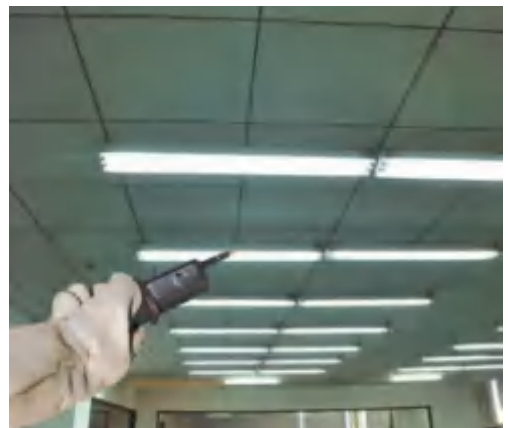
Lamp Tester tests HID and fluorescent lamps and has live conductor sensing. This electrical lamp tester has a compact, rugged housing with carrying case (included).

Specifications

Live Conductor Indication	60-250VAC, 40-60Hz
Continuity Verification	0-5M Ω (test current: <7 μ A)
Lamp Tester Voltage	3kV/160kHz (test current:<200 μ A)
Measurement Category	CAT II 250V

Size(HxWxD):189mm x 26.5mm x 2.6mm

Weight: 60g



DT-9010 Automotive Circuit Voltage Tester

Model 9010



Features

- Test common automotive circuits up to 12 volts
- Bright 360 degree visual indication
- Alligator clip connects to ground
- Long flexible test lead
- Quickly test automotive circuits for proper voltage
- Tests auto wiring, fuses, battery source

Size(HxWxD):189mm x 26.5mm x 2.6mm
Weight: 60g



DT-73T/73AL/73E MiNi Environment Meter

CEM

73E is a high-frequency electromagnetic wave tester. It adopts advanced high-frequency sensor technology and can be applied to high-frequency electromagnetic field test base, mobile phone, wireless network and other electronic wireless products.

Features

- Test high frequency range
- Auto Power Off
- Adjustable alarm threshold and memory function

Specifications

Measurement Range	20mV/m to 200V/m
Absolute Tolerance (@1V/m 10MHz)	±1.0dB
Frequency Response	± 1.0dB (10MHz to 1.9 GHz) ± 2.4dB (1.9GHz to 8GHz)
Isometric Deviation	±1.0dB @ f>10 MHz
Resolution	0.1mV/m

73AL is simple to use, rapid response tester that are used to determine whether or not a person has any alcohol in their breath.

Features

- Red LED alar
- Auto power off
- Fuel cell sensor is high accuracy and reliability
- Five detection unit selectable (mg/L, mg/100ml, g/L, %BAC, ‰BAC), Alarm level adjustable

Specifications

Detection Range	Accuracy	Resolution	Repeatability
0.000mg/L ~1.500mg/L	C<0.400 : ±0.020mg/L	0.001mg/L	C<0.400 : 0.007mg/L
	0.400≤C<1.000 : ±5%		0.400≤C<1.000 : 1.75%
	C≥1.000 : ±20%		C≥1.000 : 6%

73T is a simple measuring TDS tester.

73MC Non-contact Moisture Meter with pinless depth up to 0.75".

DT-73MC Specifications

Measuring Range	0 ~ 99.9
Accuracy	± 5
Pinless Depth	up to 0.75"(19mm)
Resolution	0.1



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