



TMD-101 is a kind of eddy current electrical conductivity meter, which is designed for quick & convenient measurement of material property, such as material separate, quality control, material state check and so on. It uses the electromagnetism testing principle. Testing objects focus on non-ferromagnetic material.

Features

- ★The meter uses 60 KHz (aviation industry standard) to inspirit.
- ★The testing data can be read in two kinds of unit: %IACS and MS/m.
- ★Its big typeface, the back light illumination designs are advantageous for users to take the testing data even in low light condition.
- ★It uses the high property battery to make sure it keeps more running time, and because of its mini-size, it is easy to carry and to grasp hold.
- ★The design of the meter is more advantages: user can replace the probe in the outdoor, don't need to return to the company to adjust the probe into matching the meter.

★It can hold measurement data.

Applications

- ★ Test the conductivity of aluminum, copper and other non-ferrous magnetic metal in the processing industry.
- ★ In the aerospace and automotive industries, monitor the process of heat treatment, the strength and hardness of aluminum alloy.
- ★ Test the conductivity aluminum when it has not been oxidized.
- ★ Test the purity grade of materials.
- ★ Test materials resistivity.
- ★ Material Thermal Performance analysis.

Technical parameters

NAME		CONTENT
Measurement technology		Eddy current
Operating frequency		60KHz , 120 KHz
Display screen		Monochrome
L*B*H		180*75*30 mm
Instrument case		Anti-intense impact, water-proofing polyester.
Weight		290g
Power supply		High capacity, high performance lithium polymer battery
Measuring range		6.9%IACS—110%IACS(4.0 MS/m -64MS/m)
Distinguishing rate		0.1% IACS
Measuring accuracy		0°C to 50°C 0~23%IACS : ±0.1%IACS 23%IACS~110%IACS : ±0.3%IACS
Temperature compensation		Automatic compensation to the value of 20 °C.
Normal work environment	Relative humidity	0~95%
	Operating temperature	0°C ~ 50°C
Language		English
Fitting		Portable box; probe; probe in cable; operating manual; conductivity standard sample; adapter.
Probe		Diameter:12.7mm (Applicable to minimum measuring area diameter at 60KHz is10mm.)

Note: The conductivity measurements automatically rectified to the value at 20°C.

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