

EDDY CURRENT CONDUCTIVITY TESTER

CODE 0420-EL60



- Measure conductivity (MS/m, %IACS) and resistivity ($\Omega \cdot \text{mm}^2/\text{m}$) of non-ferromagnetic metals or alloys with eddy current phase detection
- With temperature compensation, even when the temperature of the calibration block and the material are different, test results can be automatically compensated
- Lift-off compensation function ensures accurate results when there are non-conductive layers such as coatings, dust, rough surfaces, etc., and reduces measurement error caused by operation as well
- Measure with high speed and efficiency, results show on screen after probe touch with the material in 1 second
- Data can be saved manually or automatically and exported to Excel with computer software
- Wear-resistant and heat-resistant probe
- Unit switch
- Display with backlight
- Language: English, Chinese, Japanese

SPECIFICATION

Conductivity	range	0.3MS/m~65MS/m or 0.51%IACS~112%IACS
	unit	MS/m, %IACS
	resolution	0.01 (<30MS/m or <30%IACS) 0.1 (30MS/m~65MS/m or 30%IACS~112%IACS)
	accuracy	$\pm 0.5\%$ (20°C); $\pm 1\%$ (0°C~50°C)
Resistivity	range	0.01538 $\Omega \cdot \text{mm}^2/\text{m}$ ~3.33333 $\Omega \cdot \text{mm}^2/\text{m}$
	unit	$\Omega \cdot \text{mm}^2/\text{m}$
	accuracy	$\pm 0.5\%$ (20°C); $\pm 1\%$ (0°C~50°C)
Temperature	range	0°C~50°C
	resolution	0.1°C
	accuracy	$\pm 0.5^\circ\text{C}$
Test frequency	60kHz sinewave	
Probe diameter	$\varnothing 14\text{mm}$	
Lift-off compensation	maximum 500 μm	
Storage capacity	16000 groups	
Interface	USB, RS232 protocol	
Calibration block	about 0.60MS/m, 4.10MS/m, 58.0MS/m refer to values marked on the supplied blocks	
Operation environment	temperature: 0°C~50°C humidity: <95%RH, no condensation	
Power supply	3.7V rechargeable Li-ion battery	
Dimension	230×97×60mm	
Weight	370g	



calibration blocks
(included)



USB cable (included)

STANDARD DELIVERY

Main unit	1 pc
Probe (0420-TP01)	1 pc
Calibration block (0420-CB01)	3 pcs
USB cable	1 pc
AC/DC adapter	1 pc