EDDY CURRENT CONDUCTIVITY TESTER
CODE 0420-EL60

INSPECTION CERTIFICATE

DATA OUTPUT

- Measure conductivity (MS/m, %IACS) and resistivity (Ω·mm²/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 <51%IACS) 0.1 (30MS/m~65MS/m or 51%IACS~112%IACS)
	accuracy	±0.5% (20°C); ±1% (0°C~50°C)
Resistivity	range	0.01538Ω·mm²/m~3.33333Ω·mm²/m
	unit	Ω·mm²/m
	resolution	0.00001Ω·mm²/m
	accuracy	±0.5% (20°C); ±1% (0°C~50°C)
Temperature	range	0°C~50°C
	resolution	0.1°C
	accuracy	±0.5°C
Test frequency		60kHz sinewave
Probe diameter		Ø14mm
Lift-off compensation		maximum 500μm
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-TP1)	1 pc
Calibration block (0420-CB1)	3 pcs
USB cable	1 pc
AC/DC adapter	1 pc