CIW Quartz Watch Analyzer QWA-879

Professional testing and diagnostic instrument for quartz watch movements. Frequency, rate deviation, pulses, power consumption, coil resistance, continuity and battery voltage in one compact bench unit.



General

Product name	CIW Quartz Watch Analyzer
Model	QWA-879 (Rev. 4.1)
Brand	CIW
Manufacturer	Charu Integrity Works, Pune, India
Country of origin	India
Application	Professional testing and diagnostics of quartz watch movements
Intended users	Watch manufacturers, service centres, watchmakers, laboratories and training institutes

Measuring Functions

Frequency measurement	30 to 35 kHz, resolution 0.1 Hz, acceptance range 32,767 to 32,769 Hz
Rate deviation	display in s/day or s/month, resolution 0.01 s/d
Accuracy	±2 ppm (reference tolerance)
Checking intervals	10, 20, 60, 120, 240, 480, 960 s
Pulse detection	via pulse pad or probes, with TIC-TOC indication
Power consumption	0.10 to 99.99 µA, test voltage 1.55 V, adjustable up and down in 0.05 V steps
Coil resistance	0 to 9.99 kΩ
Continuity test	yes, with acoustic signal
Battery test	1.5 V / 3 V / 9 V, with and without load
Line release	yes, magnetic drive for clearing minor gear train obstructions

Device

Power supply	12 V DC, 1 A via power adapter (SELV)
Display	high-contrast LCD
Housing	ABS plastic
Operating temperature	10 to 40 °C
Storage temperature	-10 to +60 °C
Device dimensions (L × W × H)	220 × 135 × 75 mm
Device weight	approx. 490 g
Shipping dimensions (1 unit)	270 × 240 × 100 mm
Shipping weight (1 unit)	1.5 kg
Scope of delivery	Analyzer, 12 V power adapter, test probes red/black, operating manual
Warranty	1 year manufacturer's warranty

Compliance

Marking	CE
Directives	EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU and (EU) 2015/863
EMC standard	EN 61326-1:2020

Manufacturer
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