

ROTATION DIRECTION TESTER

RDT-308

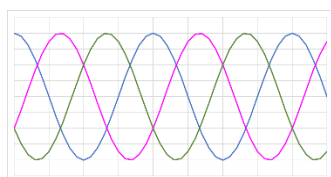


Pursuing simple design and functionality

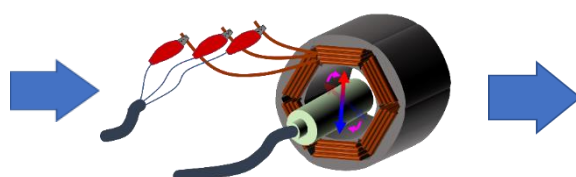
With advanced judgment functions, it can be used in a wide range of fields from production lines to research and development.

- Up to 10 test condition settings can be registered
- Supports simple and precise inspection with two test modes
- Enables automation of condition setting and data acquisition via RS-232C communication

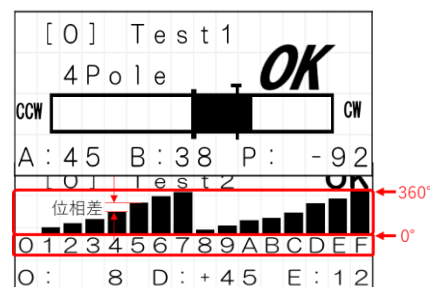
■ Test image



① Three-phase excitation signal Applied to the workpiece



② From the detector's internal coil Get the induced voltage.



③ Automatic judgment

■ Test mode 1

A detector (detector coil) is inserted into the stator coil to determine whether the magnetic field strength meets the reference value or the direction of rotation (CW/CCW) of the magnetic field.



■ Test mode 2

The detector is inserted into the center of the stator coil and the magnetic field distribution (phase/intensity) is measured to determine if it meets the standard. 8 locations for 2-4 pole detectors and up to 32 locations for 2-16 pole detectors are measured. Although positioning of the detector is required, the system can perform high-precision testing to detect partial wire connection defects, winding errors, etc.



■ Specification

Power supply		AC 90-240V 50/60Hz (Fuse 1A)	
Excitation signal	Number of phases	3phase	
	Frequency	5kHz (Sine wave)	
	Excitation voltage	Phase 5Vp-p	
	Setting range	100 steps	
Detection function	Sensitivity range	10 steps + Auto range	
	Detector coil	2/4 poles : φ38mm 2/4 poles : φ22mm 2/4/6/8 poles : φ45mm	2/4/6/8/12/16 (Custom order) The detector coil is not attached to the main unit. Select from the required number of poles.
General	Surrounding environment	Temperature range 5°C-40°C Humidity range 20%-80%	
	Dimensions eight	Body W192 × H95×D235(mm)/1.8kg	
	Power consumption	40VA or less	
	Communication function	I/O、RS-232C	
Accessories		Power cable (3m) 1 3P-2P conversion adapter 1 Excitation signal cable (1.5m) 1	Operation Manual 1 Spare fuse (1A) 1

【NOTE】

■ Specifications and designs are subject to change without notice for improvement. ■ Due to the printing process, there may be some differences in color and texture between the photos in the catalog and the actual product. ■ Although every effort has been made to include accurate information in this catalog, if you find any errors or omissions, please contact our sales department for further information.

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