

ROTATION DIRECTION TESTER

RDT-308



Pursuing simple design and functionality

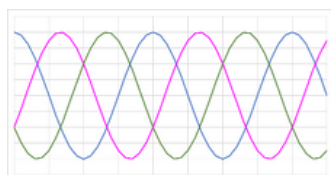
With advanced judgment functions, it can be used in a wide range of fields from production lines to research and development.

- Up to 10 test condition settings can be registered
- Supports simple and precise inspection with two test modes
- Automatic detection sensitivity adjustment by auto gain function
- Excitation signal of 5V / 5kHz is compatible with low impedance coils
- Condition setting and various data acquisition are possible via RS-232C communication.

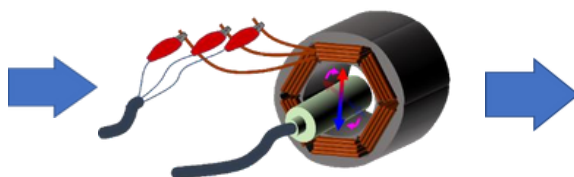
■ Overview

- The stator coil of a three-phase or single-phase motor is energized and the magnetic field generated by the stator coil is captured by the detector coil (detector) to determine the direction of rotation (CW/CCW). (Test Mode 1)
- The magnetic field distribution (strength / phase) of the detector coil is measured to determine whether it meets the criteria. Even small abnormalities such as partial poor wiring can be read. (Test mode 2)
- The detector coils are standard accessory and compatible with 2-pole / 4-pole coils. By using the optional 6 / 8-pole detector coil, the 2/4/6 / 8-pole stator coil can be inspected without setup changes.
- The test results can be checked on the LCD panel. In addition, it is also possible to output signal to external devices. It also supports signal output to external devices.

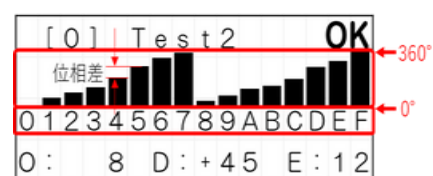
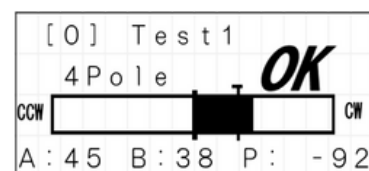
■ Test image



① Three-phase excitation signal
Applied to the workpiece



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



■ Specification

Power supply		AC 90-240V 50/60Hz (Fuse 1A)	
Excitation signal	Number of phases	3phase 5kHz (Sine wave)	
	Frequency	Phase 5Vp-p	
	Excitation voltage	100 steps	
	Setting range	10 steps + Auto range	
Detection function	Sensitivity range	2/4 poles : ϕ 38mm	
	Detector coil	2/4 poles : ϕ 22mm 2/4/6/8 poles : ϕ 45mm	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	Operation Manual 1
		3P-2P conversion adapter 1	Spare fuse (1A) 1
		Excitation signal cable (1.5m) 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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