

ROTATION DIRECTION TESTER

RDT-308



Pursuing simple design and functionality

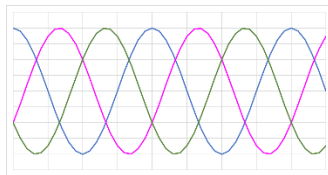
With advanced judgment functions, it can be used in a wide range of fields from production lines to research and development.

- 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.

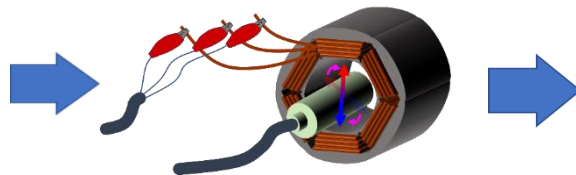
Overview

- 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.

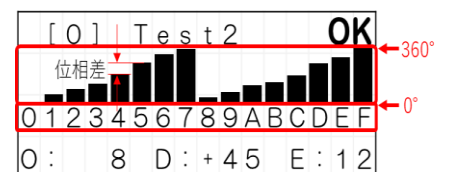
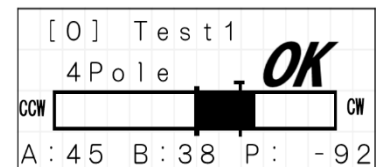
Test image



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	
	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 : ϕ 38mm 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
		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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