

-- Most suitable for magnetizing of permanent magnet &
magnetic characteristic check of sample --

DC Electromagnet



●Product Outline

This electromagnet generates high magnetic field between the poles by sending direct current to the coil which is wrapped around the magnetic circuit yoke.

By using pure ferrum in the materials in the pole pieces and thus raising the magnetic saturation point, it is designed to create device which, while generating high magnetic field on low power, is also resistant to long hours of use.

Left photo is MEM-50S type

●Basic Specification (MEM-50S type)

Pole Specifications	Variable gap of between 0~50mm, Polar Radius 50mm, Thoroughly plated as a rustproof measure.
Generated Magnetic Field	10mm gap, 17,000 Oe or more at DC10A. 50mm gap, 6,400 Oe or more at DC10A.
Coil Specifications	PEW-type 2.6φ X 2 coil.
Direct Current Electrical Resistance Values	Approx. 6.9Ω at 20 deg C
Usage Cycle	3 seconds on, 3 seconds off, within 3 hours. (when room temperature is approximately 20 deg C).
Refrigeration	Natural air-cooling system
Weight of Body	Approximately 200 kg (trestle table included)
Power Used	DC100V 10A (with fixed-current type; options available)

* We can do design and manufacture AC Electromagnet. Please feel free to inquire.



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