

PowderFluxmeter-QC™



Powdertech's PowderFluxmeter-QC™ bench-top magnetometers fill an R&D and QC void: They enable quick, easy, accurate measurement of magnetic saturation in reprographic powders, at very low cost. Set-up is simple. Training time is minimal. A fixed magnet applies a specified magnetic field to the sample. The magnetic saturation of the sample is determined by the fluxmeter and displayed on a read-out. The device provides consistent, repeatable results, as proven by extensive use in the field. Available models test up to four magnetic fields per sample. PowderFluxmeter-QC™ magnetometers are invaluable for quality assurance testing and research evaluation of all ferrite and iron powders for electrophotography.

Tests

- Magnetic Saturation
 - Magnetic field applied*
 - Chamber options:
 - 1000 gauss ± 100
 - 3000 gauss ± 150
 - 5000 gauss ± 250
- Magnetic Remanence
 - Zero field chamber

System Hardware

- Portable, self-contained measurement device with digital read-out
- Four sample holders
- Nickel reference for system calibration

Electrical Requirements

- 110 VAC ± 10% @ 50/60 Hz or 220 VAC ± 10% @ 50/60 Hz

Maintenance and Operating Environment

- Temperature
 - Operating: 10° to 32° C (50° to 90° F)
 - Storage: 0° to 35° C (32° to 95° F)
 - Relative Humidity
 - Operating: 20% to 80%
 - Storage: 10% to 95% (non condensing)
- Note: The device must be allowed to warm up for 30 minutes after being turned on.*

Dimensions and shipping weight

- Single-chamber model:
 - Instrument: 29.2 x 21.5 x 25.4 cm (11.5 x 8.5 x 10 in)
 - Approximate shipping weight: 4.8 kg (10.5 lbs)
- Multi-chamber model:
 - (dimensions and weight depend on model)

Documentation

- Instruction Manual