MAGNETIC MOMENT ETALONS

• Magnetic Moment Etalons ME 7, ME 8, ME 9

Magnetic moment etalons are reference magnets for the quantity *Magnetic Dipole Moment*. The common use is the calibration of moment measuring coils (*Helmholtz-Coils*).

The magnetic moment etalons ME 7, ME 8 and ME 9 excel in a very low temperature coefficient and high long-term stability.

ME 7, ME 8 and ME 9

Model	Diameter	Height	Temperature coefficient	Magnetic Dipole Moment	Optimized for MPS Coils
ME 7	31.8 mm	12 mm	- 0.001 %/K	$8 \cdot 10^{-6}$ Vs·cm	MS 75
ME 8	31.8 mm	12 mm	- 0.001 %/K	$8 \cdot 10^{-5}$ Vs·cm	MS 150, MS 210
ME 9	15.0 mm	5 mm	- 0.001 %/K	$4.9 \cdot 10^{-7}$ Vs·cm	MS 20

The stated dipole moments are approximate values. The exact values for each Magnetic Moment Etalon are determined by calibration.

A DAkkS calibration certificate, which documents traceability of calibration to national standards, is included on purchase. Calibration is performed in our ISO/IEC 17025 accredited calibration laboratories. Periodic recalibration is recommended and can of course also be performed by our laboratories.

To preserve the calibration accuracy over a long time, we recommend observing the following precautions:

- Keep magnetic moment etalons away from magnetic fields.
- Store your magnetic moment etalons in a safe place and take them out only for the calibration of your measuring instruments.
- Do not expose the magnetic moment etalons to mechanical shock or extreme temperatures.

Due to continuous product improvements, specifications are subject to change without notice.

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