

MAGNETIC MOMENT ETALONS

• Magnetic Moment Etalons ME 7 and ME 8

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 and ME 8 excel in a very low temperature coefficient and high long-term stability.



ME 7 and ME 8

Model	Diameter	Height	Temperature coefficient	Magnetic Dipole Moment
ME 7	31,8 mm	12 mm	- 0,001 %/K	$8 \cdot 10^{-6}$ Vs·cm
ME 8	31,8 mm	12 mm	- 0,001 %/K	$8 \cdot 10^{-5}$ Vs·cm

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

A proprietary calibration certificate, which documents traceability of calibration to national standards, is issued free of charge on purchase. A calibration can alternately be carried out in our ISO/IEC 17025 accredited calibration laboratories in Germany and in the USA for an extra charge. 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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