ICR HH500-75

Near-Field Microprobe 200 kHz to 1 GHz

Short description

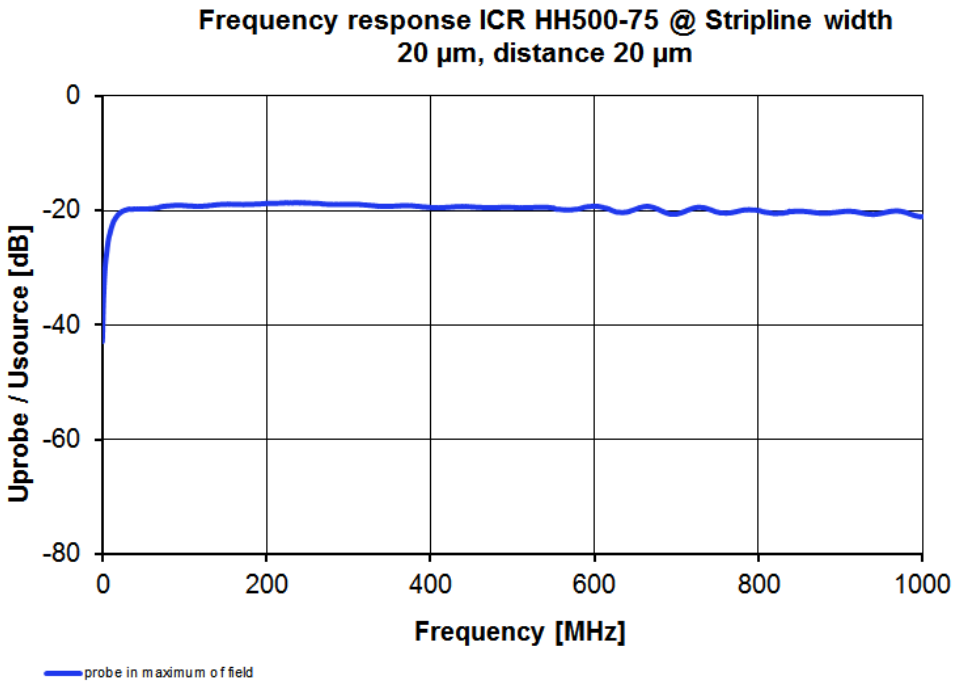
The near-field microprobe is used to measure magnetic near fields at extreme high resolution and sensibility. The optimal distance to the object being measured is < 1 mm. The ICR HH500-75 generates a higher output signal in the lower frequency range in comparision to ICR HH500-6. The measuring coil is horizontally placed within the probe head.

The probe head is shielded against electric field coupling. A preamplifier is integrated in the probe housing,
which is powered by the BT 706 bias tee. Adjustment screws on the housing allow manual alignment of the probe tip to the probe housing.
The probe supports the collision protection function of the Langer scanners,
which stops the movement during vertical travel if the device under test is touched.
The housing can also be mounted on commercially available testers.
Attention! The tip is very sensitive to impact due to its construction, therefore we recommend positioning the probe through an automatic positioning system.

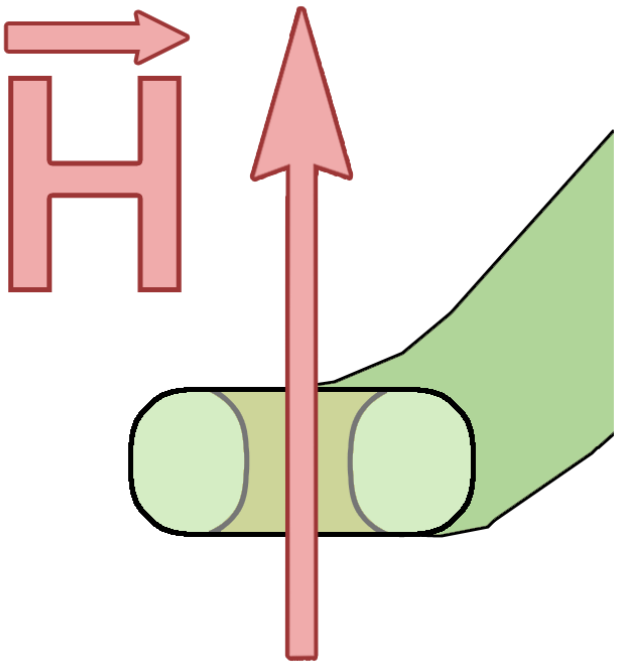
Technical parameters

Frequency range	200 kHz - 1 GHz
Resolution	300 µm
Internal diameter	500 µm

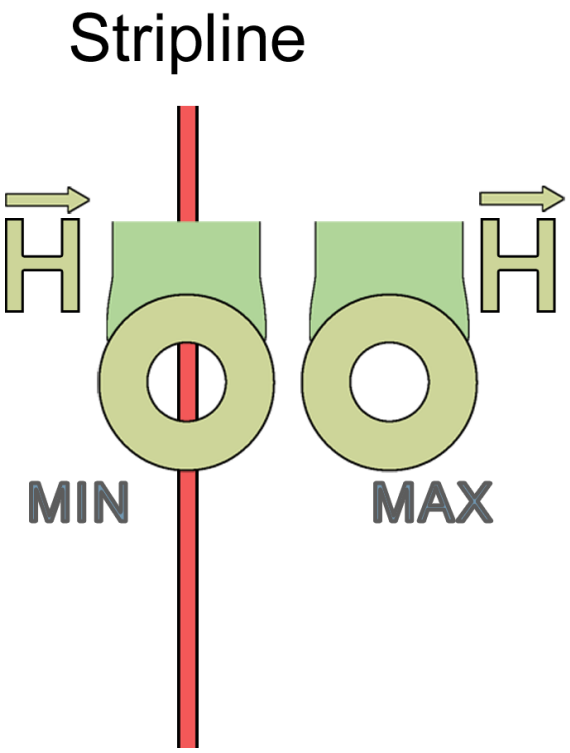
Frequency response



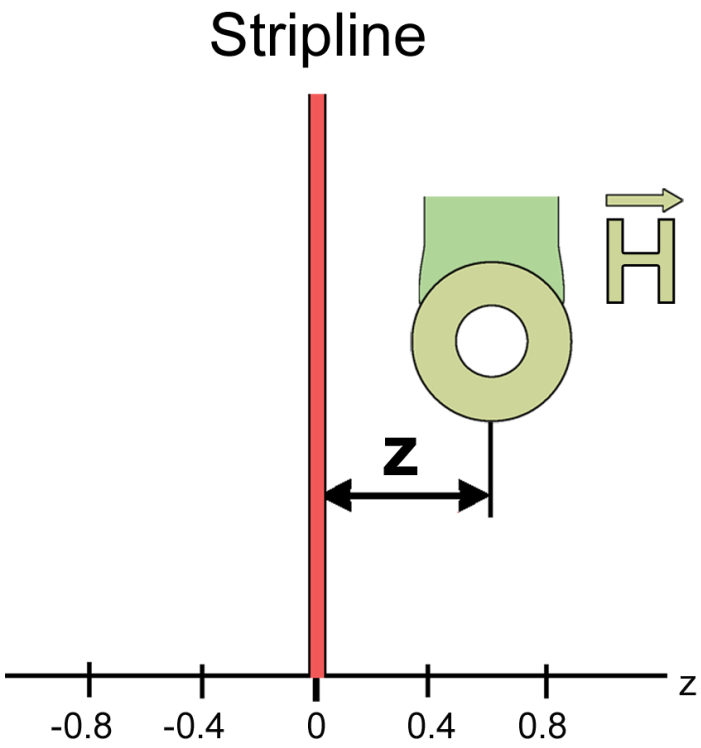
Measuring principles



Design, view 1



Design, view 2



Transverse profile