

# RF-R 400-1

H-Field Probe 30 MHz up to 3 GHz



## Short description

Due to its large diameter (25 mm) the RF-R 400-1 H-field probe is highly sensitive and is suitable for measurements at distances up to 10 cm around assemblies and devices.

The RF-R 400-1 is a passive near-field probe. In principle it has the same structure as the probes RF-R 50-1 and RF-R 3-2. The near-field probe is small and handy. It has a current attenuating sheath and, therefore, is electrically shielded. It can be connected to a spectrum analyzer or an oscilloscope with a 50  $\Omega$  input. The H-field probe does not have an internal terminating resistance of 50  $\Omega$ .

## Technical parameters

|                       |                             |
|-----------------------|-----------------------------|
| Frequency range       | 30 MHz ... 3 GHz            |
| Probe head dimensions | $\varnothing \approx 25$ mm |
| Connector - output    | SMB, male, jack             |
| Weight                | 15 g                        |

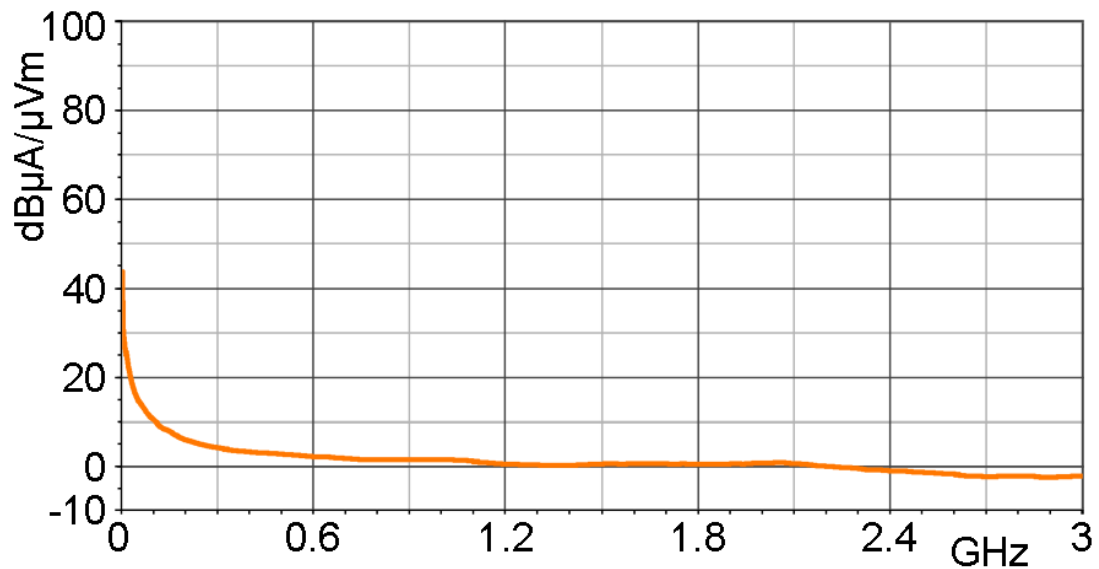
Frequency response [dB $\mu$ V] / [dB $\mu$ A/m]



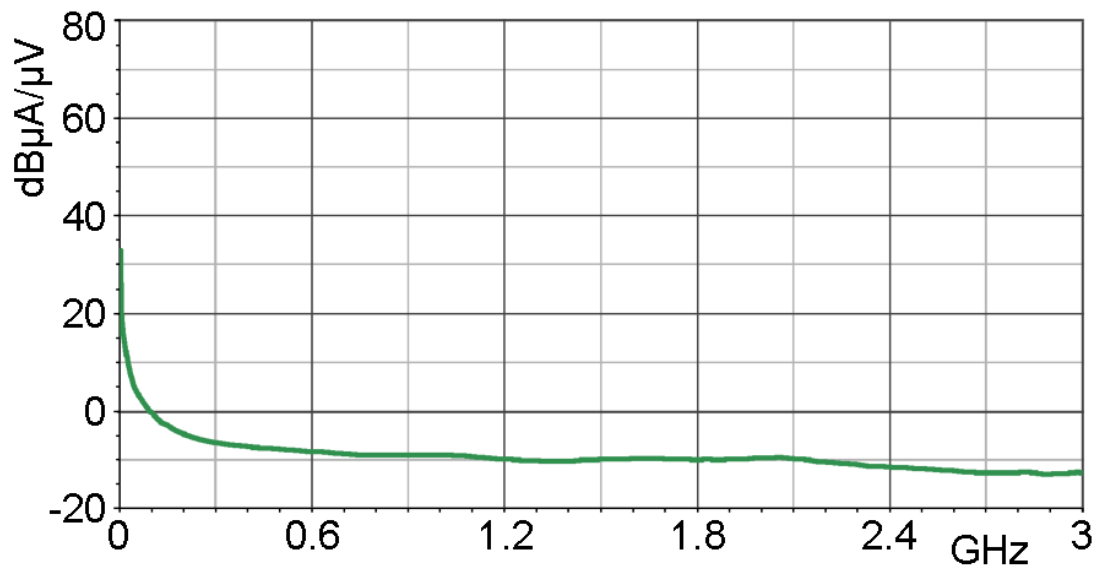
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H-field correction curve [dB $\mu$ A/m] / [dB $\mu$ V]



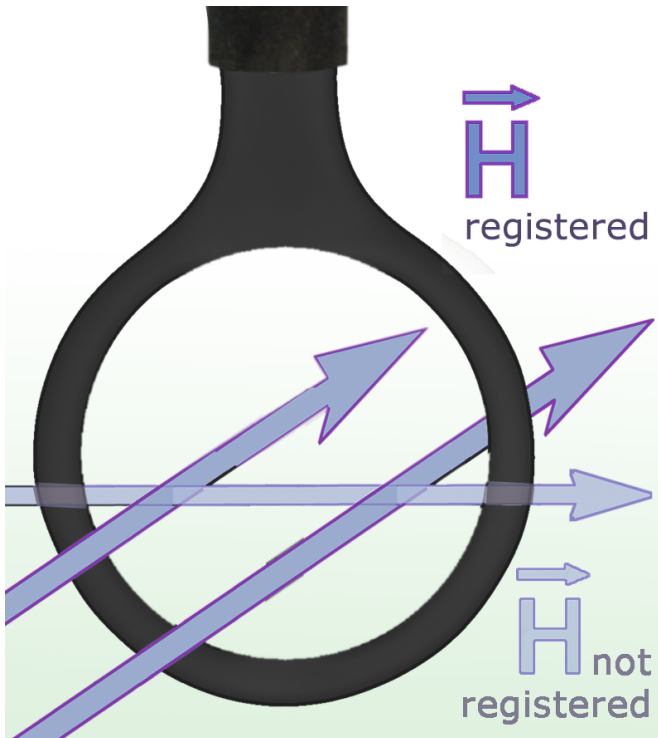
Current correction curve [dB $\mu$ A] / [dB $\mu$ V]



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## Measuring principles



## Probe head

