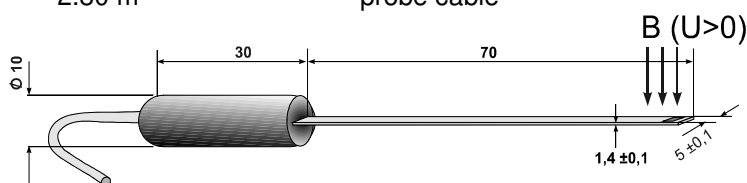


## Teslameter FM 3002-10kHz

### Technische Daten

Range: $\pm 1.8$ T	$\pm 1.8$ V $\pm 1\ 800\ 000.0$ $\mu$ T	analog output 7 ½ digit display
Resolution (display)	0.1 $\mu$ T (1/18 000 000)	
Non-linearity (incl. probe) (at 25 °C; 50 mT – 1.8 T)	$\leq 0.03$ % of reading, $\pm 0.1$ mT (DC)	
Frequency range analog output	DC to $\geq 10$ kHz (-3 dB) (first order low pass) time constant: $\tau \leq 16$ $\mu$ s	
Step response	time to meet non-linearity: $\leq 300$ $\mu$ s	
Frequency range display	DC (max 10 Samples/s)	
Noise (analog output)	$\leq \pm 25$ $\mu$ T (peak; DC – 10 kHz)	
Temperature coefficient instrument	$\leq 3$ ppm/K (0.0003 %/K)	
Temperature coefficient probe at 25 °C Probe	$\leq 10$ ppm/K (0.001 %/K)	
Zero drift	$\leq 2$ $\mu$ T/K	
Long-time stability	$\leq 0.1$ %/year (typ. 0.05 %/year)	
Display units	$\mu$ T, mT, T, G, kG	
Measuring time	0.1 s to 5 s	
Probe T3 size	5 x 1.4 x 70 mm 2.80 m	transverse probe probe cable



Effective area	$< 0.1$ mm <sup>2</sup>	transverse probe
Power	115 V~, 230 V~ $\pm 10$ % / 50 Hz - 60 Hz / 20 VA	
Pollution Protection	2 under IEC664 Class I	
Operation temperature	+10 °C to +40 °C	
Storage temperature	- 20 °C to +50 °C	
Max. relative humidity	70 % at +35 °C	
Size (W x H x D)	449 x 104 x 320 mm 483 x 89 x 320 mm	desk top 19" rack
Weight	4.50 kg	