

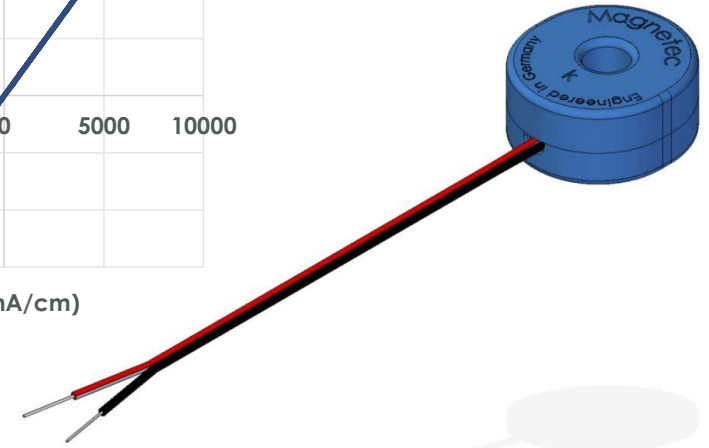
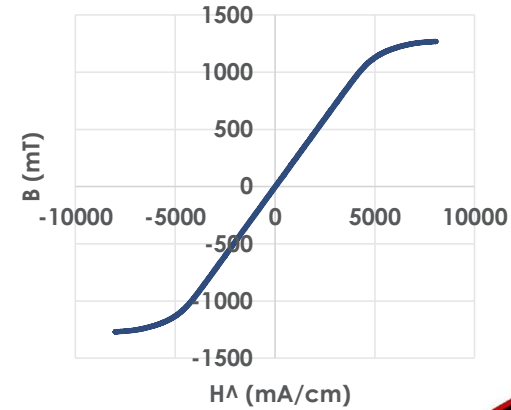
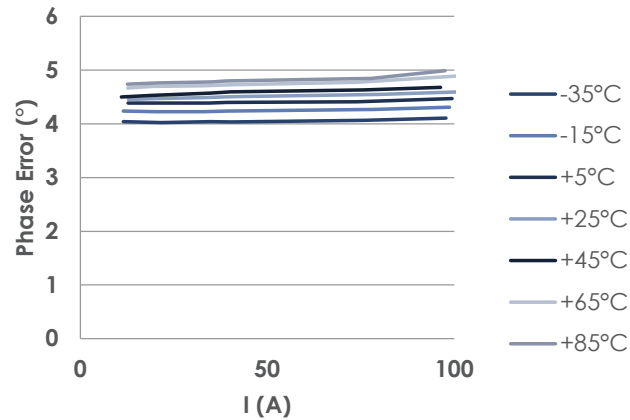
IEC 62053 -21:2020  
EN 50470-3:2020  
compatible

Passes DC test with 0,5  
power factor

Low and predictable  
temperature drift

Saves calibration  
costs

High linearity



Magnetec offers nanocrystalline tape wound cores from Nanoperm LM (low  $\mu$ ) for smart meter applications where DC tolerance is required. Our cores have a near to constant permeability from zero until saturation which makes them superior to not only hybrid but also to many single core solutions on the market. Due to the extremely high linearity, phase and amplitude errors are very stable and predictable, which lets you save on calibration costs. The 60A and 100A versions cover most of the Smart Meter applications, but custom designs are also available

Types	DC capability $I_{nom}[A]$	Permeability	Outer dim. [mm] $OD1_{max} \times OD2_{max} \times H_{max}$	Inner diameter [mm] $ID_{min}$	Phase error [°]	Typ. Tolerance [°] $0 - 1,2 I_{nom}$
<a href="#">MB-1475</a>	60	2000	30,3 x 32,3 x 14,5	8,0	4,2	0,2
<a href="#">MB-1461</a>	100	1600	34,3 x 35,3 x 14,5	10,6	4,7	0,2

Magnetec GmbH  
0049 6184 9202 0  
[www.magnetec.de](http://www.magnetec.de)  
[info@magnetec.de](mailto:info@magnetec.de)