

Ferrite content meter FERRITE-CHECK 110

for ferrite content measurement in austenitic and duplex steels



Ferrite content measurement kept simple

The [List-Magnetik FERRITE-CHECK 110](#) ferrite content meter is a compact and handy device with an integrated probe for measuring the ferrite content in austenitic and duplex steels according to the Basel standard DIN EN ISO 8249 using the magnetic induction method.

Display of the ferrite content via OLED display

With a single button and the self-explanatory multilingual menu navigation, the ferrite content meter is very easy to use. The illuminated and high-contrast OLED display shows the measurement in FN and Fe%.

Measure ferrite content in welds

Especially for welded duplex steels, a ferrite content measurement is important to know, if the weld has enough ferrite content to guarantee the strength of the weld. If there is insufficient heat input or cooling in the weld area, the ferrite content may be too low.

Fast and continuous ferrite content measurement

With [FERRITE-CHECK 110](#), the ferrite content can be determined very accurately and quickly.

To detect the weld seam on smooth or polished surfaces, the instrument can be switched to fast continuous measurement. When the probe is placed on the surface and moved along the surface, measured values are continuously stored and, after the probe is lifted off, the statistics consisting of the minimum, maximum and average values of the series of measurements are displayed.

Calibrating the ferrite content meter

The **FERRITE-CHECK 110** ferrite content meter is supplied with 3 calibration standards traceably calibrated to the NIST standard.



Performance table and technical Data **FERRITE-CHECK 110**

Application:	Measurement of ferrite content in austenitic and duplex steels
Measuring range:	1 - 100 Fe%, 1 - 140 FN
Measuring method:	Single measurement or continuous measurement with averaging
Smallest measuring area:	Ø 2 mm
Resolution:	until 10: 0.01, above 10: 0.1
Ambient temperature:	0 – 50 °C
Display:	illuminated high-contrast graphic OLED display
Multilingual menu navigation:	German, English
Power supply:	1x 1.5 V AA Mignon
Operating time:	approx. 30 hours
Dimensions:	Ø 28 x 94 mm
Weight:	72 g (with battery)



List-Magnetik
Dipl.-Ing. Heinrich List GmbH
Max-Lang-Straße 56/2
D-70771 Leinfelden-Echterdingen

Phone +49 (711) 90 36 31-0
Fax +49 (711) 90 36 31-10
info@list-magnetik.de
www.list-magnetik.de



www.list-magnetik.de