

Ferrite content meter FERRITE-CHECK 110



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.

With a single button and the self-explanatory multilingual menu navigation, the instrument is very easy to operate. The illuminated and high-contrast OLED display shows the measurement in FN and FE%.

Especially for welded duplex steels, it 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. 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.

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

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| Application | Measurement of ferrite content in austenitic and duplex steels |
| Measuring range | 0.1 – 80 Fe%, 0.1 – 110 FN |
| Measuring method | Single measurement or continuous measurement with averaging |
| Smallest measuring area | ∅ 2 mm |
| Resolution | 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 | ∅ 28 x 94 mm |
| Weight | 72 g (with battery) |

NDT Supply.com, Inc.

7952 Nieman Road
Lenexa, KS 66214-1560 USA

Phone: 913-685-0675, Fax: 913-685-1125
e-mail: sales@ndtsupply.com, www.ndtsupply.com

