

Intensis



Tangential magnetic field meter **Successor of MDC1n²**

- Displays the measured values as well as the field shape
- Designed for controlling magnetic particle testing benches and clamps
- Measurements accessible remotely via wired or wireless communication
- Measurements recording for computer processing
- Fully configurable by the user

Technical characteristics



Detection characteristics

Measured domain:	Tangential magnetic field
Range:	+/- 470 A/cm
Units:	A/cm, A/m, kA/m, Oe, G, μ T, mT
Max resolution:	0.01 A/cm ; 0.001 kA/m ; 1 A/m ; 0.01 Oe ; 0.01 G ; 1 μ T ; 0.001 mT
Frequency range:	40 Hz à 410 Hz and continuous



Mechanical and environmental characteristics

Operating temperature:	From 10 to 40 °C
Dimensions case:	140 x 71 x 34 mm
straight probe:	60 x 8 x 8 mm
angle probe:	46 x 8 x 17 mm
Weight:	290 g (with batteries)
IP code:	IP54



Electrical characteristics

Stand-alone device:	3 AA cells or batteries
Supply power:	USB-C port (5 V)
Battery life:	30 h



Connectivity

Wireless connection:	Wi-Fi IEEE 802.11b/g/n - 2.4 Ghz - 50 mW
Wired connection:	USB-C - virtual serial port
Data retrieval:	USB Mass storage



Features

Display:	2.8" color screen
Values recording:	Time-stamped measurements (per user, if enabled)
Languages:	French, English
Possible user and rights management	
Modular display:	User choice of values to display
Automation:	Possible integration into an automated measurement

Application & use

Intensis is dedicated for measurement of tangential magnetic field.
Intensis has been developed to control testing benches and clamps in magnetic particle inspection.