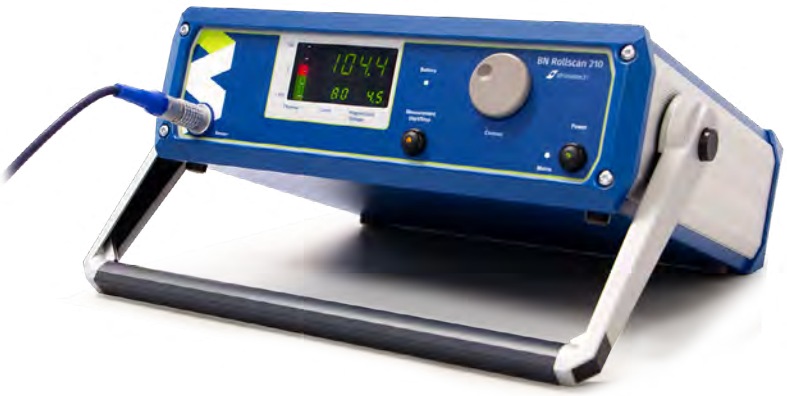
BN Rollscan 210

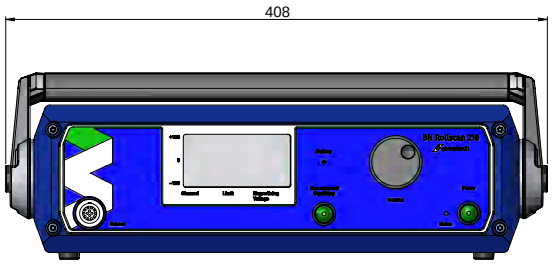
Barkhausen noise analyzer

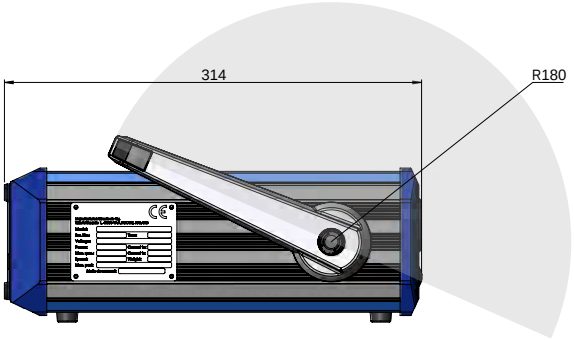
BN Rollscan 210 is designed for quality control and for testing near-surface defects such as grinding burns, heat treatment defects, as well as changes in stress and microstructure in a wide variety of ferritic steel and other ferromagnetic materials. The BN Rollscan 210 is an analog Barkhausen noise signal analyzer designed for basic on-site measurements.

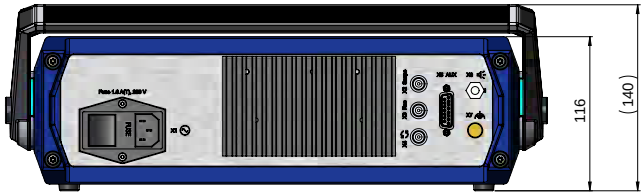


Standard system features

- Display with LED bar graph for measurement limit visualization and numerical values for:
  - Barkhausen noise RMS value
  - Limit value
  - Magnetizing voltage
- Measurement parameters adjustable through the front-panel controls
- PPC14 connector for Barkhausen noise sensor
- One measurement channel
- Adjustable audible buzzer for exceeding measurement limit
- Magnetizing frequency range: 1–500 Hz (sine wave)
- Magnetization voltage adjustable: 0–16 Vp
- Analyzing filter range: 70–200 kHz
- Output connectors:
  - Scope (X2): Barkhausen noise signal monitoring with an oscilloscope
  - Rec (X3): Analog output of Barkhausen noise RMS value in voltage waveform
  - Sync (X4): Synchronizing the oscilloscope view
  - AUX (X5): Limit relay output to alert when the set measurement limit is exceeded







Weight	6.0 kg	13.23 lbs
Weight with batteries	7.5 kg	16.53 lbs

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