

Calibration of measuring devices, checks of test blocks

Calibrations & Verifications of Non Destructive Testing Equipment

Calibrations - Meters for Magnetic Particle Testing (MT) – Penetrant Testing (PT)

☐ **Magnetic field meter**

→ All types of probes (tangential, normal), device brand, waveform (AC/DC)

NF EN ISO/CEI 17025, ISO 3452, ISO 9934

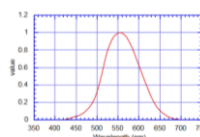
☐ **Luxmeter – 365nm UV Radiometer**

→ All types of probes, device brand, single or combined measurement

NF C42-710, ISO/CIE 20476, EN3059



Calibration laboratory according to NF EN ISO 17025 standard



Verifications - Test blocks and standards for MT – PT

☐ C indicator, Ketos Ring

☐ Reference pads n°1 and 2, PSM, TAM



NF EN ISO/CEI 17025, ISO 3452, ISO 9934, ASTM E 1444-01 Standards

Verifications - Equipment & Accessories MT – PT

☐ Ultraviolet 365nm lighting (LED, Neon, Bulb)

☐ Contact / immersion / ambient thermometers 10°C to 80°C

☐ Electromagnets, magnetization / degaussing coil

☐ Portable current generators, test benches

☐ Penetrant testing line (manometers, drying oven, lighting, suction)

NF EN ISO/CEI 17025, ISO 3452, ISO 9934, FD X 07-028 et 029 Standards



Drying oven



Verification of MT and PT benches

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Calibrations - Eddy Current Testing devices

- ☐ **Portable or computer-based eddy current measurement console**

→ Any type of brand, mono and phased array



ISO 15548-1:2013
Standards

Calibrations – Radiology Equipments

- ☐ **Densitometer, X-ray viewer, Luminance meter**

→ Any type of brand



EN 25580 et ASTM 1390,
ISO/CIE 19476, NF C42-711 Standards

Calibrations - Ultrasonic Testing devices

- ☐ **Portable or computer-based ultrasonic measurement console**

→ Any type of brand, mono and Phased Array



ASTM E-317, EN12668,
EN18563, ISO 16831
Standards

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Calibrations - Coating thickness gauges

- ☐ **Coating thickness gauge**
on magnetic or non-magnetic base metal

All brands / types devices



NF EN ISO 3882:2003 /
2178 / 2360, ASTM D
6132 Standards

Calibrations - Hardness meters

- ☐ **Hardness meter by the Leeb method**
on metallic materials

All brands / types devices



ASTM A956 et EN ISO
16859, ASTM D 2240
Standards

Calibrations - Metrology devices

- ☐ **Micrometer, caliper, thickness gauge, depth gauge check**



NF E11-091 / NF EN ISO
13385-1 / NF E 11-
090/091/
095/096/ 099
et E 11-097/098
Standards