



TOUCHSCREEN

NEW PLATFORM
Nexus



WEB interface
for data transferring



THICKNESS GAUGE NEXUS EMAT



- SUNLIGHT
READABLE BRIGHT
TOUCHSCREEN TFT
- NEW USER-FRIENDLY
MODERN INTERFACE
- MEASUREMENTS
WITHOUT COUPLANT
AND SURFACE PREPARATION
- EXPANDING THE CAPABILITIES
OF THE DEVICE WITH THE NOVOTEST LAB

SPECIFICATIONS

Measurement thicknesses range for steel	0.6 – 300 mm (and more, depending on the probe type and object characteristics)
Coating thickness or air gap range	Up to 6 mm (depending on the object characteristics)
Measurement accuracy	±(0.01h + 0.05)
Measurement resolution	0.01 mm / 0.0001 inch
Measurement units	mm (m/s) inch (inch/μs)
Probes temperature measurement ranges: - Standard probe - High-temperature probe	-20 to +50°C -20 to +250°C (depending on the conditions and measurement and cooling cycle – up to +600°C)
Ultrasound velocity adjustment range	1000 – 9999 m/s
Gain range	30 – 100 dB (autogain)
Measurement modes	Digital Auto Advanced Spreadsheet B-scan Control
Special modes	
Data storage	Device - 4GB SD card (~13000 measurements) NOVOTEST Lab App – limited only by the memory of the Android gadgets Cloud storage – limited only by the memory of the Cloud storage
Data transfer	Wireless connection with Android smartphones, tablets, etc.: - NOVOTEST Lab App PC: - Web interface – NOVOTEST.INFO
Languages	English, Spanish, Ukrainian, Russian *additional languages available by request.
Power supply / Charging	Built-in Li-ion battery / 5V USB
Batteries life	8 h
Operating environment	Temperature: -20°C ~ 50°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of electronic unit	175x85x40 mm / 0.3 kg

The electromagnetic-acoustic thickness gauge (EMAT) allows users to measure the thickness of metal products with one-way access without using couplant and through a substantial gap of up to 6 mm. This significantly reduces the material and labor required for the measurement process.



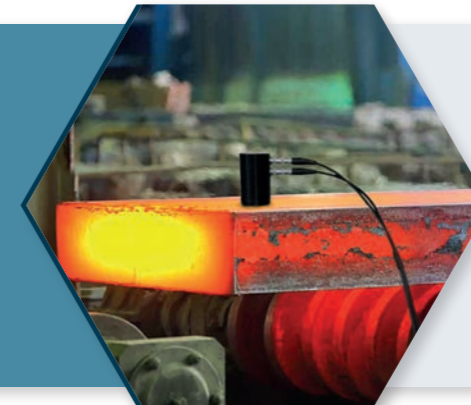
CONTACTLESS
MEASUREMENT

The EMA technology produces waves within the material, both ferromagnetic and paramagnetic. This allows for measurements to be made even through a coating or a poor surface, which may not be possible with traditional methods.



MEASUREMENT
THROUGH PAINTED,
OXIDIZED OR OILY
SURFACES

HIGH
TEMPERATURE
PROBES



EMAT Thickness Gauge NOVOTEST NEXUS can be equipped with probes for operation on surfaces heated to a temperature of 600 °C, which makes this device the best, and in some cases, the only possible solution.

USER-FRIENDLY



New intelligent automatic measurement mode that does not require operator intervention. No calibration needed, just speed setting (automatic). The tolerance control mode with automatic defect signaling, a spreadsheet of saved measurements, as well as themes for night and day use make using the device convenient and simple for any user.