

ULTRASONIC FLAW DETECTOR UD3701



TOUCHSCREEN



WEB interface for data transferring

MULTI TOUCH SCREEN

BRIGHT TFT 7" DISPLAY

DGS, DAC AND TVG MODES

ALL EXPERT-CLASS FUNCTIONS

Ultrasonic flaw detector, ultrasonic thickness gauge, inspection settings database, inspection results archive, probes archive - all these modes are available in UD3701, making it truly multifunctional.



MULTIFUNCTIONAL

UD3701 can build and configure the Distance Amplitude Correction (DAC) and Time Varied Gain (TVG) functions, as well as DGS (Distance Gain Size) mode, to estimate the equivalent reflector size.



ALL MODES IN ONE DEVICE

SPECIFICATIONS

Operating frequency range	1 - 10 MHz
Velocity range	1000 - 9999 m/s
Scan range / Delay range (V=6000 m/s)	42 - 3930 mm / 0 - 1950 mm
Measurement accuracy of time / amplitudes	±0.025 µs / ±0.5 dB
Measurement scales	mm, µs (or inch by request)
Gain range	0 - 105 dB
Scanning modes	A-scan, FFT
Probe types	Straight beam, angle beam, single, dual, echo, echo-echo, EMAT
Measurement modes	Thickness gauge Flaw detector: DAC, TVG, DGS, AFS, AWS (optional)
Quantity of control points for DAC, TVG	16
Data storage	Device - 4GB SD card (~13000 measurements)
Data transfer	PC: - Web interface - NOVOTEST.INFO
Languages	English, Ukrainian, Russian *additional languages available by request.
Display	7-inch touch screen, 800x480 pixels, 155x85 mm
Power supply / Charging	Built-in Li-ion battery / 5V charger
Batteries life	20 h
Operating environment	Temperature: -30°C ~ 50°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of electronic unit	295x185x50 mm / 1.4 kg

TOUCHSCREEN INTERFACE



Thanks to the high-resolution color touch screen, the instrument offers an intuitive way to operate all settings and control modes. For example, changing the position of the strobe on the screen without a keyboard or knobs makes using the device very convenient.

UNIVERSALITY OF APPLICATION



The device is ideal for performing ultrasound diagnostics both indoors and outdoors. However, it can be used in the field if necessary. To do this, we recommend us a special cover that protects the device from dirt and moisture, and also allows the operator to have his hands completely free and easily testing of various products on site.