

# TECHNICAL SPECIFICATIONS

The programmable generator enables to set an optimal form of drive pulses for piezoelectric transducers with different parameters to increase sensitivity of testing methods.

Characteristics	Value
Actual frequency of ultrasonic vibrations	0.5-1 MHz
Driving pulse generation frequency	not less than 90 dB
Frequency of probing pulses	up to 1000 Hz
Testing speed	up to 5 km/h
Operating temperature range	from -40 °C to + 50 °C
Applicable wave type	shear h-wave, s-wave, Lamb-wave
The average consumption of couplant	not more than 3 liters/km of rail line
The mass of the flaw detector in working condition	not more than 5 kg
Overall dimensions of the flaw detector in working condition	no more than 1000x300x250 mm
The average service life of the flaw detector providing proper spare parts and maintenance	at least 7 years
Use water as couplant at ambient temperatures from	+1 to + 50 degrees
Use liquid with non-freezing and anti-corrosion properties at ambient temperatures from	0 to -40 degrees