


TECHNICAL CHARACTERISTICS OF COMBINED PIEZOELECTRIC, SPECIALIZED RAILWAY TRANSDUCERS

Combined piezoelectric transducers are used for ultrasonic inspection of wheel axles of freight and passenger cars. The testing is performed from a threaded groove (end face) of the axle. Switching between input angles 0°/18°(20°) - using a toggle switch.

Test zones (variants of the method):

- "axlesoundability" (TR1);
- middle and far wheel seat of axle, except for the area under the hub outer edge (AR1.1);
- journal and pre-seat part of axle (AR1.2, AR1.4);
- seat of axle in the area under the hub outer edge (AR1.3).

Model	Designation	Working frequency, MHz	Input angle, °	Dimensions, mm	Piezoelectric element size, mm	Weight, g
	P131-2,5-0/18	2,5	0/18	58x45x54	Ø 12	150
	P131-2,5-0/20	2,5	0/20	58x45x54	Ø 12	150