



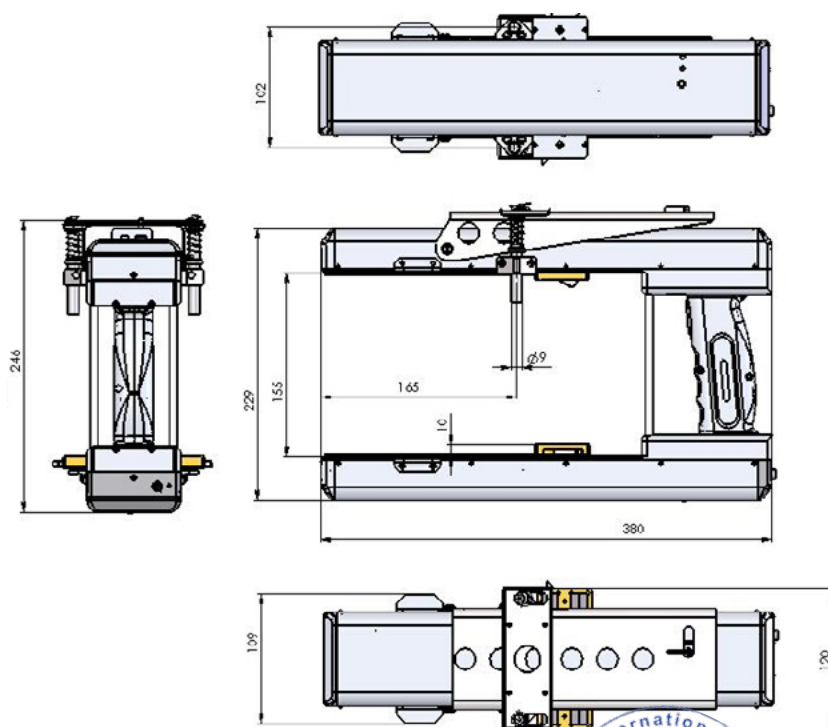
PDA based handheld instrument is employed for laser scanning and measurement of brake disks wear parameters.

The device is supplied with database and software package for disks wear data storage and processing.

BASIC TECHNICAL DATA

Name of parameter	Value
Disc brakes wear, mm	-5,0 ... +5,0
Measurement range, mm	160
Inaccuracy, not more than, mm	±0.01
Scanning time, sec	6
Digital readout device dimensions (PDA), mm	114x74x20
Power supply, laser module	4,8V 8 rechargeable batteries, tipe AA, 1,2V
Power supply, PDA	3,7V lithium-polymer batteries, 3300mAh
The number of measurements that can be taken before battery recharge is not less than	500
PDA memory capacity, no less	100 000 measurements
Interface between laser module and PDA	Bluetooth

OVERALL DIMENSIONS



OPERATION PRINCIPLE

Operator mounts the laser scanning module onto the wheel to be measured. Having received a command from PDA or PC, the laser module performs non-contact scanning of the wheel surface. Measurement results (geometric parameters and profile of the surface) are displayed on PDA, can be saved in the PDA memory, and transferred to the PC database. Simultaneously, additional parameters can be saved: operator number, side identifier (left or right wheel), axis number, locomotive (carriage) number, wheel pair number, etc.

MEASUREMENT INSTRUMENTS FOR RAILWAY TRANSPORT



Railway Wheel Profile Gauge,
IKP Series



Wheel Diameter Measuring
Gauge, IDK & IDK-BT Series



Back-to-Back Distance
Measuring Gauge, IMR-L Series



Back-to-Back Distance
Measuring Gauge, IMR Series



Disc Brakes Profile Gauge,
IKD Series



Rail Profile Measurement Gauge,
PRP Series