

DIGITAL CALIPER FOR MEASUREMENT OF WHEEL PROFILE



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The DIGITAL CALIPER FOR RAILWAYS WHEEL PARAMETERS is used to measure the wheel parameters of train and tram wheels. It's very handy design and semi-automatic measurement allows for fast and accurate measurements of the most important parameters of wheel rolling profile.

WHEEL PARAMETERS:

- FLANGE THICKNESS (G) – Flange thickness or flange width. Width parameter G is measured 10mm,
- FLANGE HEIGHT (H) – Flange height is the difference between the maximum wheel's diameter
- QR FACTOR – Qr factor is a measure that serves to evaluate wheel's wearing. Qr is the distance,
- TREAD INCLINATION (P%) – Railway wheel treads are conical. This conicity is measured as a %. Example: Let the wheel 1,5mm smaller than nominal radius at 30mm. Then tread slope is $(1,5/30) \times 100 = 5\%$ nominal radius plus 10mm.

CHARACTERISTICS	DATA
Battery	1 Silver oxide cell SR44
Flange thickness measurement resolution (G):	0,01mm
Flange height measurement resolution (H):	0,01mm
Qr factor measurement resolution:	0,01mm



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