FM5 Lazer Height & Stagger Meter

High-End system with integrated laser and optional Bluetooth interface

Used for determination of the catenary position (height / stagger) for horizontal and vertical building distances (bridge heights, pole-leading edge, cable height)

Features
- contactless, precise, fast measurement at sunshine and darkness
- for static, punctual measurements
- tilting sensor for track-superelevation measurement
- digital homing device with 4-fold zoom and color display
- visible red laser point / accessories laser goggles
- laser measurement in single and continuous mode data interface Bluetooth

Options
- two-part measuring bar for easy transportation in cars
- customized measuring bars on request (e. g. inch)
- Data transfer by Bluetooth on Pocket PC (PDA) or PC

for track gauge [mm] 1435 (other ranges on request)

lateral deviation (zigzag) / deviation to track perpendicular
- Measuring range to the left [cm] 70
- Measuring range to the right [cm] 70
- Scale reading / measuring bar [mm] 5
- Measuring accuracy (system) [mm] +/- 5

determination of the catenary height above top of the rail
- Measuring range of the laser module [m] app. 100
- Measured value resolution [mm] 1
- Accuracy (laser / system) [mm] +/- 1 ... +/- 3

Operating- / storage temperature laser [°C] -10 ... +50 / -25 ... +70
Operating time [h] up to 3 000 measurements
Tilting sensor accuracy [Deg] +/- 0.1
Power supply [Pieces] 2x 1.2 V DC, battery type AA
IP-protection class IP54
Laser class / performance [1] / [mW] Class 2 / <1
FM3 Lazer Height & Stagger Meter
Measuring system with reticle optics and attached external laser

Used to determine the positional deviation of the catenary of electric railways from the track mid-perpendicular (Zig-Zag, stagger) for measuring the catenary height above the top edge of the rail

Features
- visible laser point / laser glasses
- contactless measurement (optic, laser); therewith no interruption of the current supply during the measurements in the corresponding track section necessary
- for stationary, selective distance measurement
- Comfortable operation
- catenary / display lighting for night measurement
- selectable scaling of the reading (mm, inch, ft, ...)

Options
- 2-part track bar for easy transportation
- Retrofitting AEG / FM3 instruments with laser

for track gauge [mm] 1435 (other ranges on request)
lateral deviation (zigzag) / deviation to track perpendicular
- Measuring range to the left [cm] 65
- Measuring range to the right [cm] 65
- Scale reading / measuring bar [mm] 10 / estimateable 1
- Measuring accuracy (system) [mm] +/- 10
determination of the catenary height above top of the rail
- Measuring range of the laser module [m] app. 50
- Measured value resolution [mm] 1
- Accuracy [mm] +/- 3
Operating- / storage temperature laser ['°C] -10 ... +50 / -30 ... +70
Operating time [1] up to 3 000 measurements
Power supply [Pieces] 2x 1.2 V DC, battery type AA
IP-protection class Laser class / performance IP54