



Additional push rod

The length of the measuring chord is a key factor particularly for the

measurement of versines and gradients. They are track parameters

which mostly have to be measured on the basis of a length of 10 or 20

metres. So that means: the longer the measuring chord used, the

more reliable the measurement result will be.

## Digital measurement of:

- + Track gauge
- + Cant
- + Twist
- + Alignment (versine)
- + Longitudinal level (gradient)
- + Distance

Text can also be entered at any time to log the state of the track and saved with precise position data.

Software CLScatcher

Functional software for data acquisition and evaluation. The measurement data is displayed in real time, both graphically and numerically.

Once the measurement is complete, auxiliary functions are provided for detailed analysis and assessment of the data.

It is also possible to export the measurement data to Excel.

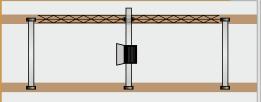
### MPC outdoor notebook

Data is recorded and saved on a notebook tailored to the special demands in the track bed.

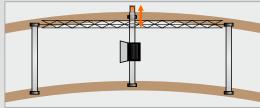
Equipped with IP65 and MILSTD-810G protection, and featuring an anti-glare touch-screen LED display, it ensures maximum functionality and operational reliability even in the rain, in dusty conditions and in sunlight.

Other plus-points are its full-grade Windows operating system and its support for standard interfaces such as USB, LAN, WiFi and Bluetooth











Measurement method schematics

## **Key features**

- + Efficient measurement and evaluation of track geometry parameters
- + Modular carbon chord, configurable to maximum 10 m length
- + Continuous data acquisition with 2 mm measuring point resolution (variable)
- + Ergonomic unit design for ease of transport and set-up
- + Set-up and operation by one person possible
- + MPC outdoor notebook

# > Technical data\*

<b>Measurement parameters</b>	Measuring range	Measurement uncertainty
Track gauge	1410-1490 mm	± 0,25 mm
Cant	± 200 mm	± 0,5 mm
Twist	calculated	± 0,5 mm
Longitudinal level (gradients)	± 100 mm	± 1,0 mm
Alignment (versines)	± 215 mm	± 3,0 mm
Sampling rate	2 mm	

<sup>\*</sup> Data referred to nominal track width 1435 mm

### **Dimensions and weights**

Measuring device (L x W x H) @ 4 m chord approx.	4500 x 1920 x 380 mm
Measuring device (L x W x H) @ 10 m chord approx.	10500 x 1920 x 380 mm
Transport box I (L x W x H)	2135 x 570 x 395 mm
Transport box 2 (L × W × H)	2070 x 845 x 372 mm
Weight of measuring device approx.	65 kg

#### **Notes**

The measuring device is insulated.

The measuring device is also available for other track widths on request.

