CAPTURES COMPLEX CONTOURS

MEASUREMENT MODULE „RAIL“
Data Sheet

NEXTSENSE
APPLICATION

With the module „Rail“ it is possible to measure the complete vignole and grooved rails within a few seconds and compare them with the individual reference values. Due to various measurement methods, the „Rail“ module is used as a part of regular maintenance measures to check the wear parameters as well as in the rail manufacturing process in the course of quality control checks. The following three measurement methods are available:

- Railprofile (Wear measurement of vignole rails)
- GroovedRailProfile (Wear measurement of grooved rails)
- RailComplete (Whole profile measurement of vignole rails)

MEASURED VARIABLES:

![Method Railprofile](image1)

![Method GroovedRailprofile](image2)

![Method Railcomplete](image3)
## TECHNICAL DATA

| Compatibility  | CALIPRI C40, CALIPRI C41  
<table>
<thead>
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<th>CALIPRI C42</th>
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| Accuracy       | Absolute accuracy $< \pm 80\mu m$  
|                | Repeatability $< \pm 35\mu m$    |
| Reference profile | Many rail types are already integrated  
|                 | (detailed list available upon request) |
| Measurement methods | RailProfile, GroovedRailProfile  
|                  | RailComplete               |
| Product ID     | CMM3001                   |

## SCOPE OF DELIVERY:
- Software license measurement module rail  
  (Activation through remote access possible also at a later date)

## ADD-ON:
- Implementation of new rail types  
  (Product ID: CSM2303)

## MEASUREMENT PROCESS

- **MEASUREMENT**
- **SENSOR GUIDANCE (TUTOR)**
- **MEASUREMENT RESULT ON SENSOR**
- **MEASUREMENT RESULT ON TABLET PC**