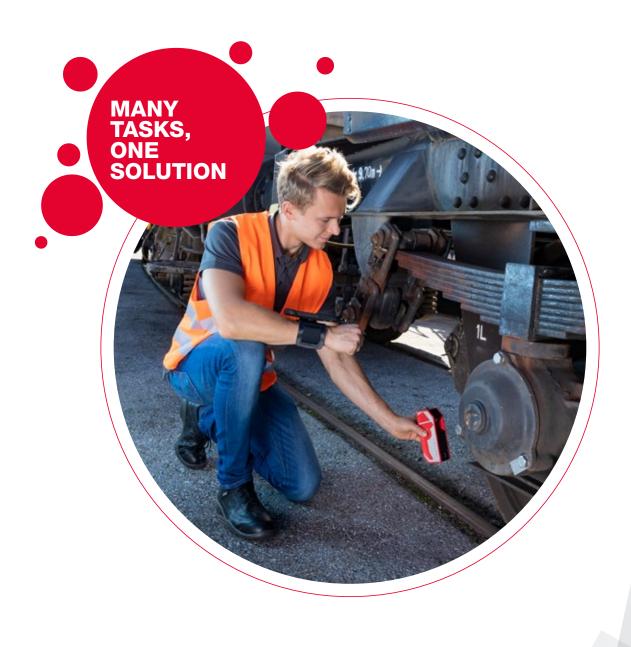
NEXTSENSE



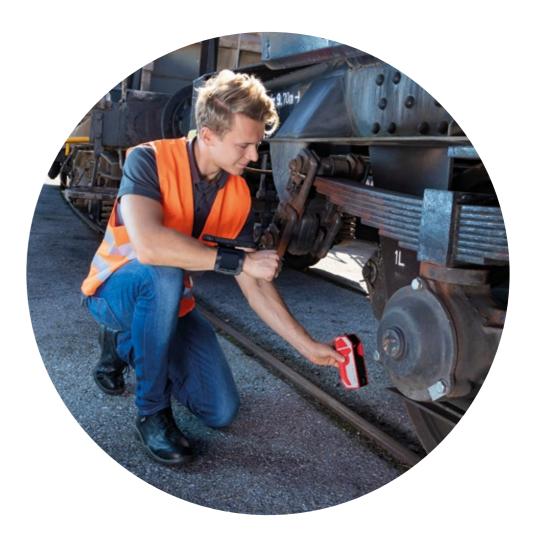
PROFILE MEASUREMENT IN RAILWAY INDUSTRY





PROFILE MEASUREMENT & WEAR EVALUATION SYSTEMS

THE CONTACTLESS CALIPRI PROFILE MEASURING DEVICES MEET
THE REQUIREMENTS OF THE RAILWAY INDUSTRY BY OFFERING A
SIMPLE, REPRODUCIBLE WEAR INSPECTION METHOD FOR THE
ENTIRE WHEEL-RAIL-SYSTEM.



Thanks to the innovative measuring method, the condition of wheels, brakes, rails and switches can be checked without physical contact.

Our patented roll and tilt correction eliminates any possibility of human error.

This means: CALIPRI always records the reality – completely unadulterated and regardless of the user or measuring task. Advantages for you: highest quality measurement data and significant time savings.

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PROTECTION

GUARANTEED

PRECISE AND RELIABLE

ACCURATE MEASURE-MENTS, FREE FROM **USER INFLUENCE**

THE PATENTED CALIPRI PRINCIPLE **AUTOMATICALLY COMPENSATES FOR** ANY ROLLING OR TILTING OF THE SENSOR. TYPICAL MEASURING ERRORS OF CONVENTIONAL METHODS ARE CAUSED BY INCORRECT POSITIONING OR MISREADING VALUES - BOTH ARE THINGS OF THE PAST WITH CALIPRI.

The measurement process is based on laser light section technology. The user guides the sensor over the measurement object by hand. It is not necessary to precisely maintain the distance and angle of the sensor. During the process, the profile is captured and evaluated from different perspectives. Once measured, the data is immediately ready for analysis and transfer.



The measurement data can be printed as PDF reports or transferred to a database. This makes it possible to draw conclusions about wear behaviour and to identify possible sources of error at an early stage. Digital data transfer is tamper-proof and replaces handwritten documentation.

www.nextsense-worldwide.com

EXPERTISE AT THE TOUCH OF A BUTTON

OPTIMUM TRAINING, NO MATTER WHERE

IN ADDITION TO OUR TRAINING VIDEOS, WE ALSO PROVIDE PRIVATE ON-SITE TRAINING FOR DIFFERENT KNOWLEDGE LEVELS TO ENSURE THAT YOUR EMPLOYEES ALWAYS HAVE THE MOST UP-TO-DATE INFORMATION. SERVICE AGREEMENTS AND EXTENDED WARRANTY CONDITIONS ALSO ENSURE 100 % AVAILABILITY OF THE MEASURING DEVICES.





NEXTSE

Should you ever require personal assistance, our technical support experts are available to answer any questions you may have regarding the function, handling and use of our measuring devices. Also, with branch offices and distribution partners worldwide, we are represented on every continent – Nextsense is there for you anywhere, at any time – wherever you are. Whether by telephone, email or remote connection, our goal is always the same: finding the optimum solution for your company!



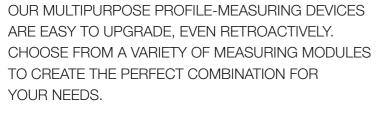
Learning has never been so easy!

You can find all our training videos online. Get an overview of our measuring devices and how to operate them.

www.youtube.com/user/worldwideunique

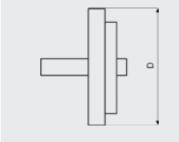


MULTIFUNCTIONAL DEVICES: CALIPRI C41 | C42

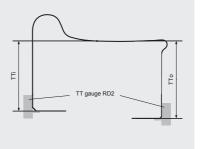




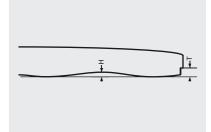




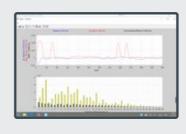




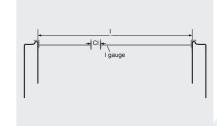


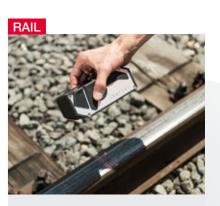


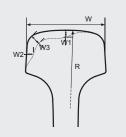








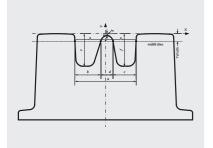




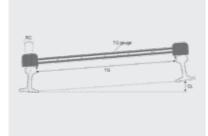
WHEEL PROFILE

MULTIFUNCTIONAL DEVICES: CALIPRI C41 | C42









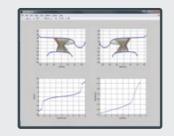












TECHNICAL DATA

FACTS AT	
A GLANCE	l

C41	C42

System		
Purpose	Light rail	Heavy rail
Measurement data display	Tablet-PC	Sensor + Tablet-PC

Sensor		
Size	72 x 110 x 105 mm 3 x 4.5 x 4 in	64 x 63 x 164 mm 2.5 x 2.5 x 6.5 in
Weight	350 g 10.5 oz	590 g 20.8 oz
Battery life		> 4 h
Measuring field	130 x 115 mm 5 x 4.5 in	150 x 130 mm 6 x 5 in
Display		2.4 in TFT LCD
Laser	660 nm, class 2M	660 nm, class 2M
Protection class	IP 54	IP 54

Tablet-PC		
Size	270 x 188 x 38 mm 10.5 x 7.5 x 1.5 in	270 x 188 x 38 mm 10.5 x 7.5 x 1.5 in
Weight	1300 g 46 oz	1300 g 46 oz
Battery life	> 5 h	> 5 h
Display	10.1 in WUXGA	10.1 in WUXGA
Operating system	Microsoft Windows® 10	Microsoft Windows® 10
Protection class	IP 65	IP 65

Protection class	IP 65	IP 65
Data transfer		
Sensor to tablet PC	Cable	WLAN
Tablet PC to networks	WLAN, Bluetooth, Ethernet	WLAN, Bluetooth, Ethernet

Export interfaces			
Measurement results	xml, csv, customer-specific interface (on request)	xml, csv, customer-specific interface (on request)	
Profile data	csv, dxf	csv, dxf	

MULTIFUNCTIONAL DEVICES: CALIPRI C41 | C42

SCOPE OF DELIVERY

ALL IN ONE: THE CALIPRI PACKAGE





Sensor

In addition to the wireless C42 sensor, the C41 sensor is available for confined spaces.



Reference standard

Our reference standard allows you to recalibrate the measuring device on-site if required. This means that you benefit from a measuring system with high availability.

Modules

You don't buy anything that you don't really need. Each system is individually configured by combining different measurement modules.

TO PROVIDE THE IDEAL SOLUTION FOR EVERY SITUATION, WE OFFER A VERY FLEXIBLE SCOPE OF SUPPLY. YOU CAN SELECT THE SENSOR TYP, REFERENCE STANDARD AND MODULES ACCORDING TO YOUR INDIVIDUAL REQUIREMENTS.

REDUCED TO THE ESSENTIAL

CALIPRI PRIME

ENJOY THE HIGHEST QUALITY OF MEASURE-MENT DATA WITH LOW ACQUISITION COSTS. CALIPRI PRIME IS THE DIGITAL ALTERNATIVE TO ERROR-PRONE MECHANICAL GAGES. THE "LITTLE BROTHER" MEASURES THE PROFILES OF WHEELS IN A MATTER OF SECONDS.



Technical data

Size 64 x 63 x 164 mm | 2.5 x 2.5 x 6.5 in

Weight 590 g | 20.8 oz

Measurements

per battery charge > 300

Display 2.2 in TFT LCD
Laser 660 nm, class 2M

Protection class IP54

SCOPE OF DELIVERY

Sensor

Battery (rechargeable), power supply and USB cable

Belt clip

Instruction manual

Case

FUNCTIONS

Flange measurement (height, thickness, qR dimension)

Digital storage of all measurements

Download measurement data via USB (TXT files)

Optional upgrade to complete wheel profile measurement with profile view



01

Reference object

Calibrated wheel profile for periodic accuracy test

04

Wheel profile

Measurement of the entire wheel profile (hollow tread, rollover, wheel width)

02

Adjustment

Calibrated reference standard for on-site recalibration

03

Tolerances

Definition of limits for graphical variance comparison

e wheel Two additional batteries and one ver, external charger

Endurance

05

06

Prime Smart Control

Robust smartphone with app to enter identification data, display the profile curve and share the results



REFERENCES





















































































ARE YOU INTERESTED IN OUR CALIPRI PRODUCTS AND LOOKING FOR MORE INFORMATION?

GET IN TOUCH WITH US!

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