



HEXAGON

NEXT**SENSE**

CALIPRI C15

Data Sheet



Doc. ID: C15BD01
Rev. No: 01
Date: 2022-03-23

CALIPRI
C15



1 APPLICATION

CALIPRI C15 is a wireless hand-guided gap and flush measuring system for taking continuous measurements on a production line.

The system is designed for extremely simple operation and most accurate results. Choosing CALIPRI C15 means you can rely on a high-precision measuring system in your production line – without the need for expensive and time-consuming training. The device uses the patented CALIPRI principle, a latest-generation laser light section technology with tilt and pitch correction that is the only one of its kind in the world. With just a short swiveling motion, the user can capture the entire profile of a gap from multiple perspectives, thus eliminating the need for imprecise mathematical approximations. The measurement results are then displayed on a visualization monitor, where deviations in tolerance are highlighted in color.

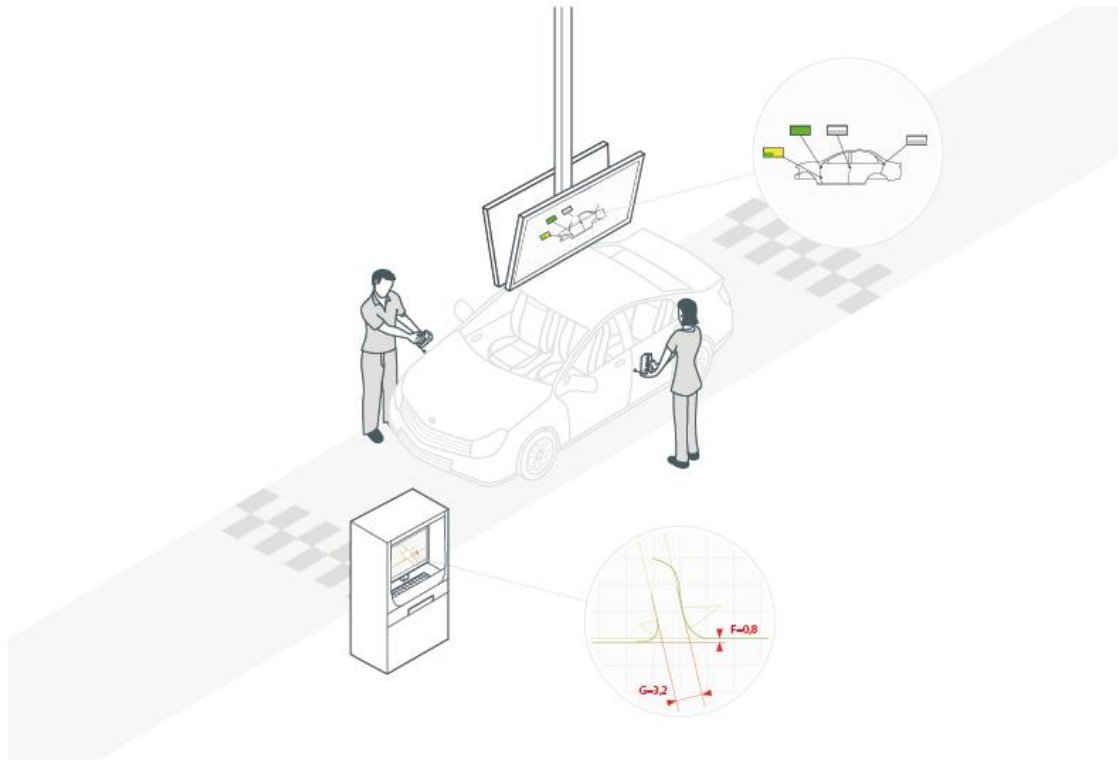
Thanks to cross-platform evaluation standards, the results from the CALIPRI C15 measuring system can be compared with the data from mobile gap measurement devices (CALIPRI C10, CALIPRI C14) and robot-controlled systems (CALIPRI C12) in order to identify deviations in the production process and develop appropriate measures to resolve them.



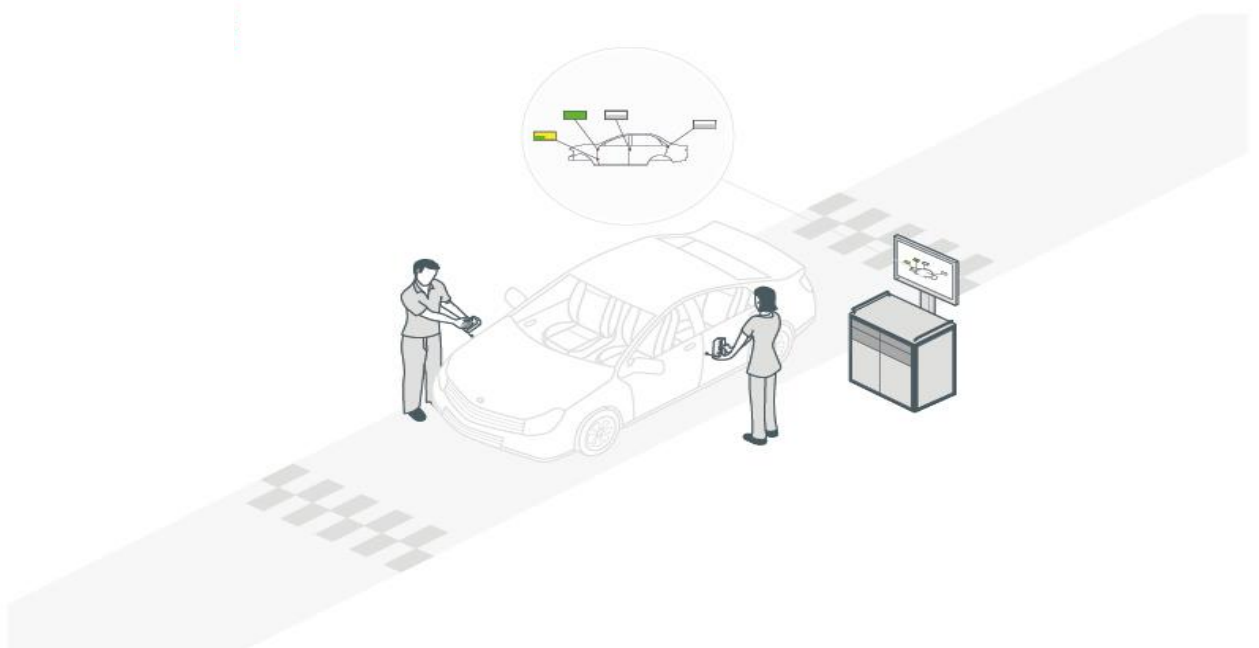
2 SCOPE OF SUPPLY & SERVICES

	CALIPRI C15 FIX (C15BD01)	CALIPRI C15 FLEX (C15BD02)
Hardware	1x C15 sensor (wireless)	
	1x calibration standard	
	1x sensor charging cable + power plug	
	2x exchangeable and rechargeable battery (hot-swap) + 1x charging station	
	1x cabinet with measurement computer and control monitor	1x trolley with measurement computer and visualization monitor
	1x visualization monitor	
Software	Operating system (Microsoft Windows©)	
	"CALIPRI Inline Software" measurement application	
	"CALIPRI Manager" measurement plan creation software	
	"Standard Gaps" measurement module software license (measurement methods for standard gaps)	
	"Special Gaps" measurement module software license (measurement methods for complex gap contours)	
Services	Project management, coordination, documentation	
	On-site installation and commissioning of the system	
	Basic introduction for workers, maintenance staff and IT personnel	

CALIPRI C15 FIX



CALIPRI C15 FLEX





3 TECHNICAL DATA

Accuracy	Absolute: Repeatability:	< ± 30 µm < ± 15 µm
Speed	Time/measuring point:	1 - 4 s
Sensor	Laser class: Degree of protection: Battery runtime:	450nm 2M IP 54 > 4h (hot-swap)
Data transmission	Sensor <-> Measurement PC: Measurement data -> L2 system:	WLAN Ethernet
Data recording	Technology: Tilt & pitch correction:	Laser light section automatic (patented CALIPRI principle)
Export formats	Reports: Data records:	PDF, direct printer connection XML, CSV/DXF
Application	<p>For semi-automatic measurement of standard and special gaps on the exterior of a vehicle.</p> <p>C15 Fix: Stationary installation (production line or audit station) C15 Flex: Mobile measurement system (flexible use)</p>	



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