



CALIPRI C14 AUTOMOTIVE

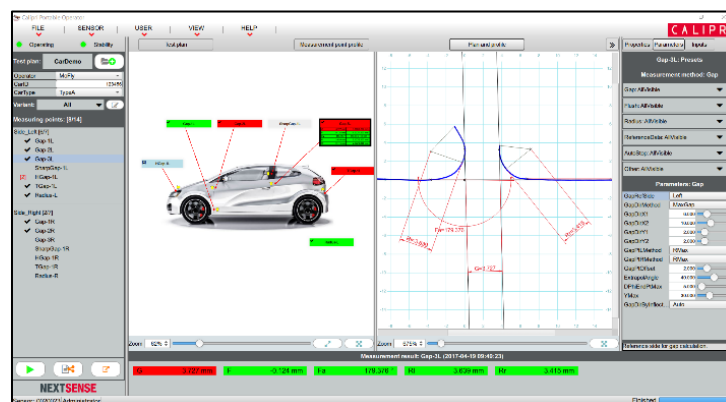
Data Sheet

APPLICATION

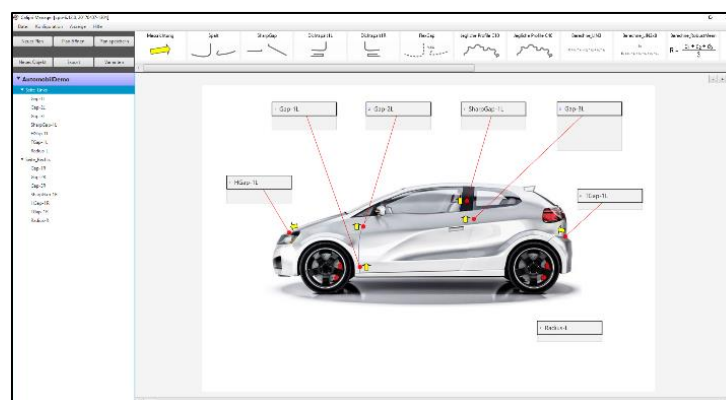
The wireless handheld CALIPRI C14 allows for the contactless measurement of gaps, edges and design lines in a matter of seconds. Due to the patented Calipri principle – an advanced light section method with tilt and pitch correction - no errors caused by misaligning of the sensor to the object will occur.

Measurement plans can be created by Drag & Drop in the software Calipri Manager. The user defines the position of measurement points, the measurement method, the evaluation strategy and the tolerance ranges of the measurement results. Afterwards the profile is recorded by a swiveling movement of the Calipri sensor. Thereby the sensor captures the 2-D contour of the profile from different perspectives – deeply into the gap and along the complete hem edge. The measurement software Calipri Portable Operator evaluates gap, flush and radius of captured contours without any imprecise extrapolations (mathematical estimations) automatically. The measured dimensions are displayed on the tablet PC and on the sensor itself and can be compared with reference values. A traffic light system is used to make limit violations easily identifiable. The obtained measurement data can be printed as reports or exported to a database.

SOFTWARE:



CALIPRI PORTABLE OPERATOR



CALIPRI MANAGER

TECHNICAL DATA

Accuracy	Absolute:	$< \pm 30 \mu\text{m}$
	Repeatability:	$< \pm 15 \mu\text{m}$
Sensor	Display:	2.4 inch FSTN LCD
	Operation:	Push buttons
	Battery:	Lithium-Ion, approx. 4h/battery (exchangeable & rechargeable)
	Weight:	590 g 20.8 oz
	Dimensions:	64 x 63 x 164 mm 2.6 x 2.5 x 6.5 in
	Measurement range:	Approx. 50 x 50 mm 2 x 2 in
	Protection class:	IP 54
Tablet PC	Display:	10.1 inch WUXGA
	Operation:	Touch (incl. Stylus)
	Weight:	1,300 g 46 oz
	Battery:	Lithium-Ion, approx. 5h/battery (exchangeable & rechargeable)
	Dimensions:	270 x 188 x 38 mm 10.6 x 7.4 x 1.5 in
	Protection class:	IP 65
	Operating system:	Microsoft Windows® 10
Data collection	Technology:	Laser light section
	Tilt & roll correction:	Automatic (patented Calipri principle)
Data transfer	Sensor->Tablet PC:	WLAN (2462 MHz)
	Data export:	WLAN (802.11 a/b/g/n), Ethernet (10/100/1000 Mbit), Bluetooth (V4.0 + EDR 1)
Export formats	Reports:	PDF, Direct connection to printer
	File format:	XML, CSV, DXF
Application	For the measurement of standard and special gaps of car exterior or for the measurement of hem edges of stamped parts. Not for continuous measurement in the production line.	
Product ID	C14BD01	

SCOPE OF SUPPLY & SERVICES

- ✓ CALIPRI C14 basic system
 - Sensor, spacer, belt clip, exchangeable & rechargeable battery
 - Spare rechargeable battery, charging station & cable
 - Tablet PC with measurement software "Calipri Portable Operator"
 - Self-test and adjusting device (calibration standard)
 - Hard-shell case, carrying strap & user manual
- ✓ Software license "Standard Gaps" measurement module
 - Measurement methods for standard gap and hem edges
- ✓ Software license "Special Gaps" measurement module
 - Measurement methods for complex gap contours
- ✓ Measurement plan creation software "Calipri Manager"
- ✓ Analysis software "Calipri Analyzer"
- ✓ Hem edge supporting gauge "FKM1"
- ✓ Service Package Standard (valid one year after order confirmation)



ADD-ONS:

- + Software license for “Seal Gaps” measurement module
 - Measurement methods for evaluating of sealing gaps
 - Product ID: CMM4003
- + Software license for “Shapes” measurement module
 - Measurement method for evaluating of diverse line-radius-line contours
 - Product ID: CMM9004
- + Software license measurement module “Universal Profile“
 - Measurement method for evaluating of any contours
 - Product ID: CMM9001
- + Software license “Calipri Analyzer”
 - Software tool for analysis of Calipri measurement profiles
 - Product ID: CSW1001
- + Software license “Calipri Manager“ for desktop PC
 - Software tool to create measurement plans at your desktop PC
 - Product ID: CSW1008
- + On-site trainings for users and administrators
 - Product ID: CSM2011/AUT1 (basic training)
 - Product ID: CSM2011/AUT2 (expert training)

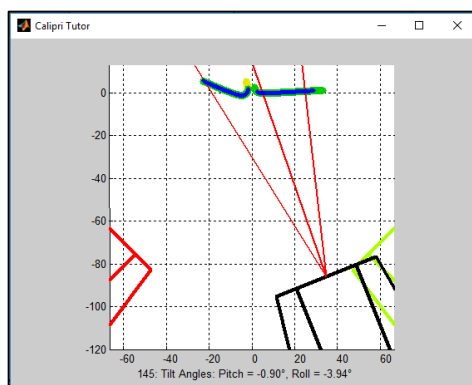
MEASUREMENT PROCESS



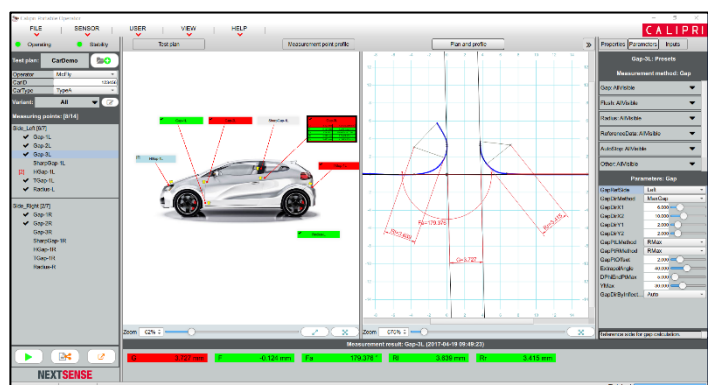
CREATION OF THE MEASUREMENT PLAN



MEASURING WITH SENSOR



SENSOR GUIDANCE (TABLET PC)



RESULTS ON TABLET PC (AND SENSOR)