



**HEXAGON**  
MANUFACTURING INTELLIGENCE



**TESA**  
TECHNOLOGY

PRODUCT INFO



## THE TESA CONNECTIVITY SOLUTION *PLUG AND MEASURE*

TESA TLC-BLE WIRELESS  **Bluetooth**® EMITTER +  
TESA DATA-VIEWER SOFTWARE

The *TESA TLC-BLE* wireless Bluetooth® emitter allows to connect measuring instruments to a computer.

Thanks to the free software *TESA DATA-VIEWER*, data can be easily collected, analyzed and stored, avoiding transcription errors and ensuring a perfect traceability.

With simple adaptors, all measuring instruments equipped with Opto-RS232, Sub-D RS232 or TESA Link Connector (TLC) output can be easily upgraded to the new TESA TLC-BLE Bluetooth® wireless emitter.



### UNIQUE FEATURES:

- EASY UPGRADE OF INSTRUMENTS EQUIPPED WITH OPTO-RS232, SUB-D RS232 OR TLC OUTPUT
- RELIABLE MANAGEMENT OF DATA WITH THE FREE SOFTWARE TESA DATA-VIEWER
- IP67 PROTECTION LEVEL PRESERVED





## CONVERT YOUR WORKSHOP OR CONTROL LABORATORY INSTRUMENTS TO THE BLUETOOTH® TECHNOLOGY AND INCREASE YOUR PRODUCTIVITY!

Any instrument with an Opto-RS232, Sub-D RS232 or TLC output can be easily upgraded with the TESA connectivity solution.







In the **TESA TLC-BLE\*** starter kit you'll find a Bluetooth® cap + a dongle + a 2 m cable. If you want to connect more instruments, you can buy a single kit (the dongle can be used to connect up to 8 instruments) and multiple Bluetooth® caps. The 2 m cable is useful to optimise reception in workshops where the computer is under the working table/surface.

**TESA DATA-VIEWER** software can simply display/collect data or it can operate as a bridge to other data processing software (STAT-EXPRESS, Q-DAS...) or Excel.

### TECHNICAL SPECIFICATIONS

	04760183 <b>TESA TLC-BLE</b> starter kit	04760184 <b>TESA TLC-BLE</b> Bluetooth® cap	04760185 dongle + 2 m cable
			
Operating temperature	+10 °C to +40 °C		
Storage temperature	-10 °C to +40 °C		
IP level	According to host device, IP67 max.		
Power supply	Battery CR2032 3V 230mAh (included)		Via PC
Maximum range	12 m		
Communication protocol	 <b>Bluetooth®</b> low energy technology		
Electromagnetic compatibility compliance	<ul style="list-style-type: none"> <li>• Directive 2014/53/EU</li> <li>• Part 15 of the FCC rules</li> <li>• Industry Canada license-exempt RSS standard(s)</li> </ul>		
Weight	48 g (with battery)	7,2 g (with battery)	41 g
Weight including packaging	82 g	40 g	75 g
Packaging dimension	13x13x2,5 cm		

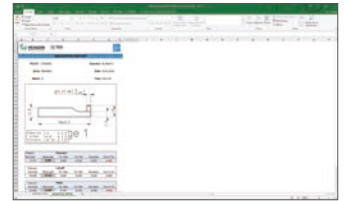
### ACCESSORIES

	Designation	Part number
	USB dongle receiver + 2 m extension cable + cable fixation - <b>1x USB dongle</b> can be used with 8 measuring instruments. It is not needed with Windows 10 (Release ≥ 1703, Creators Update) and integrated Bluetooth® 4.0 hardware on computer - <b>1x 2 m extension cable</b> to optimize reception in workshops when the computer is under or behind the working table/surface	04760185
	TLC-BLE emitter	04760184
	Adaptor type Opto-RS232/TLC (without Bluetooth® emitter) with Velcro tape to fix the transmitter unit	04760178**
	Adaptor type Sub-D 9p RS232/TLC (without Bluetooth® emitter) with Velcro tape to fix the transmitter unit	04760179**
	STAT-EXPRESS software	04981002
	USB HID footswitch	04761071

\*TESA TLC-BLE wireless Bluetooth® emitter is approved for EU, China, USA and Canada. For other countries, please contact us.

\*\*Adaptors 04760178 and 04760179 are not compatible with TLC-TWIN wireless emitter-receiver.

# THE TESA CONNECTIVITY PLUG AND MEASURE SOLUTION














1. Equip your measuring instruments with the Bluetooth® technology (replacing the TLC cap by the new TLC-BLE and an adaptor according to the device).

2. Measure and press button to transfer values via Bluetooth®.

3. TESA DATA-VIEWER software displays and manages data.

4. TESA DATA-VIEWER software can export data to processing software (STAT-EXPRESS, Q-DAS) or Excel.

## TESA INSTRUMENTS COMPATIBLE WITH THE TESA TLC-BLE SOLUTION

Instrument	Output type	Starter Kit		TLC-BLE emitter
		+	+	
 Caliper TWIN CAL IP 67	TLC			●
		04760183		
 Caliper TWIN CAL IP 40	TLC			●
 Micrometer MICROMASTER	Opto-RS232			● +
		Adaptor Opto-RS232/TLC part number 04760178		
 Internal micrometers TESA CAPA μ SYSTEM	Opto-RS232			● +
		Adaptor Opto-RS232/TLC part number 04760178		
 Dial gauge DIGICO Family	Opto-RS232			● +
		Adaptor Opto-RS232/TLC part number 04760178		
 Measuring station TESA μ-HITE	TLC			●
 Height gauges TESA-HITE & TESA-HITE Magna	RS-232			● +
		Adaptor Sub-D 9p RS232/TLC part number 04760179		
 Height gauges TESA MICRO-HITE	TLC			●
 Probe display unit TWIN-T10	TLC			●

# TESA DATA-VIEWER

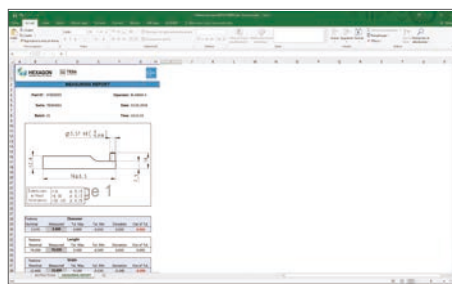
## FREE SOFTWARE TO MANAGE DATA ACQUIRED FROM TESA MEASURING INSTRUMENTS

Data acquisition has never been so easy!

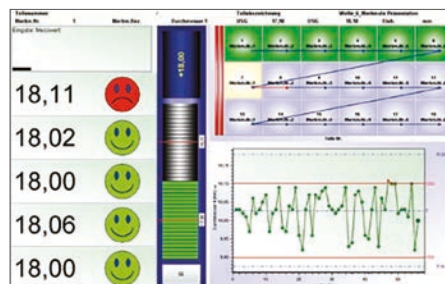
TESA digital instruments with Bluetooth® and USB connection are automatically recognized by the software, and measured values are displayed in a user-friendly environment.

Once data is loaded into TESA DATA-VIEWER software, it can be exported to other software packages such as STAT-EXPRESS, Q-DAS and Excel and personalised using your own format.

- Instruments automatically recognized and connected
- Compatible with most of the TESA instruments
- Bar graph display with adjustable tolerance
- 8 languages available



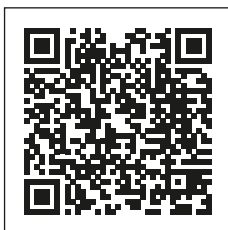
Export to Excel and CSV file



Export to Q-DAS software



Export to STAT-EXPRESS software



[Free download on tesatechnology.com](https://www.tesatechnology.com)

TESA instrument drivers included

Software requirements Windows 7 / 8.1 / 10, 32 & 64-bit processor

Hardware minimal requirements: Intel i5 or equivalent, 4 GB RAM, 100 MB HDD

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## About TESA

For more than 75 years, TESA has distinguished itself in the market through its excellent products, its unique expertise in micromechanics and precision machining as well as its proven experience in dimensional metrology.

The TESA brand is the global market leader in the field of height gauges and a pioneer thanks to its wide range of instruments, including callipers, micrometers, dial gauges, lever-type dial test indicators and inductive probes. TESA is a true benchmark for the inspection of incoming goods, as well as for production workshops and quality assurance laboratories.

## About Hexagon Manufacturing Intelligence

Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.