MSA	Measuring range	Precision	Kg
15.111	**150 mm / 6"**	0.01 mm / 0.0005"	0.150
15.112	**150 mm / 6"**	0.01 mm / 0.0005"	0.150
15.108	**200 mm / 8"**	0.01 mm / 0.0005"	0.150

TWIN-CAL electronic caliper. High degree of protection against dust.
- Degree of protection IP40
- Rectangular depth rod (MSA15.111 and MSA15.108, the latter with thumb roller) or round (MSA15.112 with thumb roller)
- Equipped with an integrated data output. Simply connect the TWIN-CAL via the TLC (TESA Link Connector) to a PC and all your measurement results will be captured and stored for optimal SPC monitoring
- LCD display, 11 mm
- Lithium battery 3 V, CR 2032.

Delivered in 1 synthetic case.

Data transfer.

(1)

(2)

MSA		Model	Length	Kg
15.114	*(1)*	**Optp-USB**	2 m	0.045
15.117	*(2)*	**Opto-Sub-D**	2 m	0.040

Duplex connecting cable, bidirectional communication.
Any connecting cable is defined by each of the connectors fitted at either end of the cable principally to suit the computer, and the measuring instrument being used. To achieve highest compatibility levels, TESA® uses only standardized and proven connectors.

MSA15.114 :
- Opto RS232 connector (for instrument)
- USB connector A type (for computer or system).

MSA15.117 :
- Opto RS232 connector (for instrument)
- Connector Sub-D 9 p/f Duplex (for computer or system).

MSA	Length	Kg
15.469	2 m	0.055

TLC-USB cable for instrument with TLC connector (TESA Link Connector).
- TLC connector (for instrument)
- USB connector (for computer or system).

(1)

(2)

MSA		Kg
15.524	*(1)*	0.100
15.523	*(2)*	0.150

USB accessory.

(1) Multiplexer, 7 USB ports 2.0.
- Robust steel housing
- External powering using a C-type AUX connector, 4 pins
- Delivered with : DC mains adapter (EU) and connecting cable to PC
- Recommended highest number of ports : 49 USB ports connectable on 2 levels.

(2) USB foot switch.
- Direct connection to any USB port
- Takes DataDirect or StatExpress into account when transferring the measured values from all connected measuring tools.

Wireless data transfer.

MSA	Kg
15.624	0.088

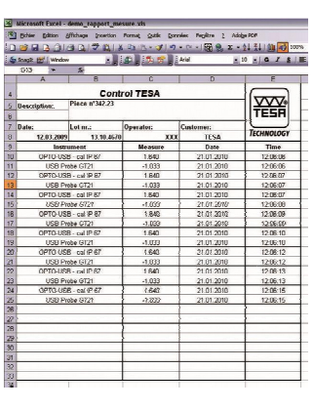
The Bluetooth® TLC-BLE emitter is adaptable to a very wide range of instruments to transfer data easily.
The Bluetooth® wireless transmitter allows to send the measured values of most TESA instruments to a computer. This wireless data transfer avoids transcription errors and improves the traceability. The emitters are quickly adaptable to all TLC connectors (TESA Link Connector) to upgrade both new and existing models.
Delivered with 1 emitter, 1 USB Dongle receiver and 1 extension cable 1.5 m.

MSA
15.625

Bluetooth® TLC-BLE emitter.

MSA
15.626

Adapter type OPTO-RS232/TLC with Velcro® strap for fixing the emitter.



MSA	Kg
15.522	0.110

Software DATA-DIRECT + dongle.
DATA-DIRECT software is an easy way to collect and report results in real time from the majority of the measuring instruments in the TESA range that have an RS232 output.
DATA-DIRECT is supplied not only with serial input/output drivers specially configured for TESA's products, but also for those purchased from other manufacturers. It works effectively to give data transfer for your data sheets, database, statistical modules or any other Windows-based applications.
- TESA® DATA-DIRECT installation CD + USB license key + user instructions (PDF version).