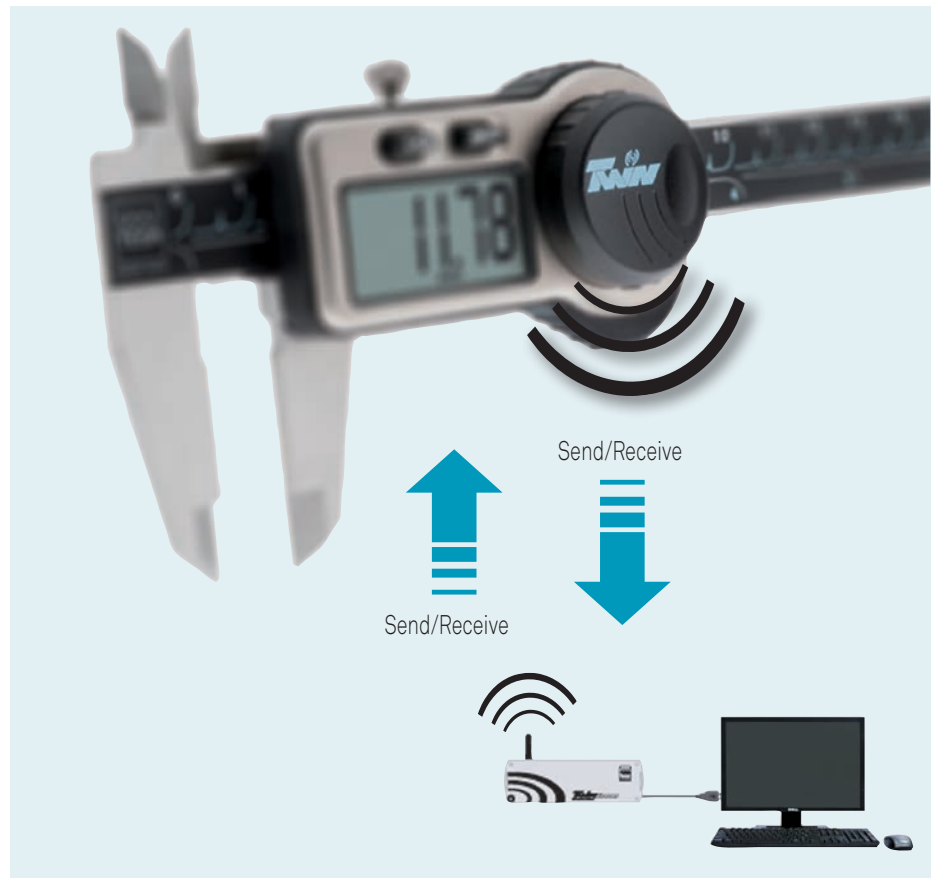TESA
Measurement
Data Link System

TESA Link Connectors TLC

TECHNOLOGY

No cumbersome module hanging from the instrument.

Wireless connectivity

Wired connectivity

Send/Receive

Send/Receive
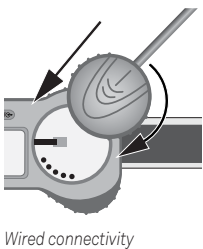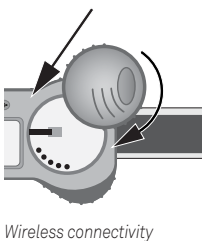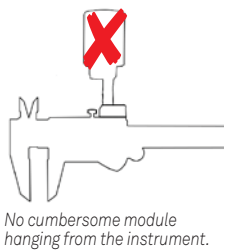
UNIQUE FEATURES:

– **BI-DIRECTIONAL WIRELESS COMMUNICATION WITH TLC-TWIN**

– **CABLE CONNECTION TO USB AND DIGIMATIC INTERFACES WITH TLC-USB AND TLC-DIGIMATIC**

– **ALL TLC PRESERVES IP67 PROTECTION OF TWIN-CAL CALIPERS**

Made by TESA
Patent pending

TESA Wireless Interface

SWISS MADE C E

HEXAGON
METROLOGY

ACCESSORIES

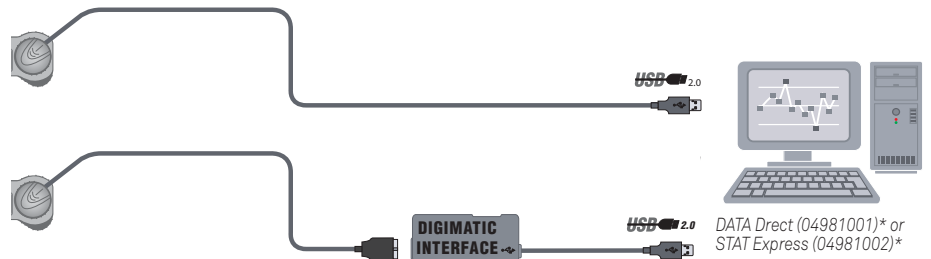| Order number	Description
05030012	**TWIN Station** Connects up to 48 instruments equipped with TLC-TWIN Connection to PC via a USB port Powered through USB port TWIN Station is also compatible with TESA wireless inductive probes, but separately from the TLC-TWIN. USB cable included
04981001	**DataDirect Software** Software for data acquisition, data export as .csv-files With USB dongle
04981002	**StatExpress Software** Software for creating measuring protocols, real-time control charts X-R, statistics, measuring reports With USB dongle

TLC connector is the new generation of TESA data transfer system, available in 3 versions: TLC-TWIN, TLC-USB and TLC-DIGIMATIC for wireless, USB and Digimatic connectivity, respectively. When mounted TLC connector replaces the battery cover allowing a compact design, avoiding cumbersome module hanging from the instrument. All TLC connectors enable two-way communication between the instrument and the PC:

– TLC-TWIN wireless transceiver connects TESA instruments equipped with TLC connector to PC via TWIN Station receiver. Each instrument with TLC-TWIN can be then managed from a PC, which allows communication with up to 48 instruments per TWIN Station !

TLC-TWIN transceiver

TWIN STATION (05030012)

DATA Drect (04981001)* or STAT Express (04981002)*

– TLC-USB and TLC-DIGIMATIC data cables connect TESA instruments equipped with TLC connector to any USB interface and appropriate Digimatic interface.

The TESA utility is included in the delivery of the TLC connectors.

TLC-USB or TLC-DIGIMATIC cable

DATA Drect (04981001)* or STAT Express (04981002)*

* not included

TECHNICAL DATA

	TLC-TWIN transceiver
Order number	04760180
Function	Transceiver, RF type module
Range	10 meters depending on environment
Communication protocol	TESA Wireless Interface TWIN protocol
Data format	7 bits ASCII code
Interface compatibility	TESA TWIN Station (05030012)
Battery type	1x (IEC) CR2032 3,0V 230mAh
EMC according to	FCC Title 47 CFR Part 15 (Subpart C) and Part 2
Rated Operating T°C	20°C ± 1°C
Operating T°C range	+10 to +40°C
Storage T°C range	-10 to +60°C
Dimensions & Weight	174x25x198m, 80 g (10g TLC-TWIN)
Delivery contents	CD with driver and Data-Direct and StatExpress softwares DEMO versions

	TLC-USB data cable	TLC-DIGIMATIC data cable
Order number	04760181	04760182
Cable length	2m	2m
Output	USB virtual COM port	DIGIMATIC format
Data format	7 bits ASCII code	
Interface compatibility	- Any USB interface able to power TLC-USB	- TESA SPC Printer (06430000) - Any interface with Mitutoyo D connector type (Digimatic) able to power TLC-DIGIMATIC (for example Mitutoyo printer DP1) - Sylvac Sylmux
OS compatibility	Windows Vista, XP, 7, 8, 32 and 64 bit	
Power supply	Powered through USB interface 5V, 20mA	Powered through Digimatic interface 3-12V, 10mA
EMC according to	Low Voltage Directive (LVD) 2006/95/EC	
Rated Operating T°C	20°C ± 1°C	
Operating T°C range	+10 to +40°C	
Storage T°C range	-10 to +60°C	
Dimensions & Weight	174x25x198m, 110 g (45g TLC-USB/DIGIMATIC only)	
Delivery contents	CD with driver and DataDirect and StatExpress softwares DEMO versions	

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HEXAGON METROLOGY