

# Interchangeable kit WS TERADYNE/TSH5x

Item 109426-KIT



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Partner for Future Technology

- Inline interchangeable kit for TERADYNE's TestStation Multi-Site TSH-5x.
- Precise, reliable contacting with peRFectly configured guides
- Modular design with bottom interchangeable kit (WSU) and top interchangeable kit (WSO)
- Robust, durable design with outstanding service life

NEW

## Application

The WS TERADYNE/TSH5x inline interchangeable kit is used for reliable ICT and/or FCT testing in TERADYNE's inline test system TestStation Multi-Site TSH-5x. It features a deflection-resistant pressure frame and probe plate made of FR4, as well as an ESD-compatible, precision-guided moving plate made of FR3, and a partially equipped interface block in both the WSO and WSU. The housing is hinged and is securely supported by a strut when open.

## Special features

- 12 mm thick, deflection-resistant floating pressure frame plate (NHP) made of FR4
- 10 mm thick, deflection-resistant probe plate (KTP) made of FR4
- 6 mm thick, ESD-compatible, precision-guided moving plate (ADP) made of FR3
- Guide pillars (round) and guide bushes for top interchangeable kit (WSO) and bottom interchangeable kit (WSU)
- Guide pins with guide bushes for moving plate (ADP)
- Interface block for top interchangeable kit (WSO) and bottom interchangeable kit (WSU), partially loaded with 25 x KT-158
- Strut and anti-pinch protection, installed on bottom interchangeable kit
- Opening angle of housing approx. 80°

## Guiding accuracy

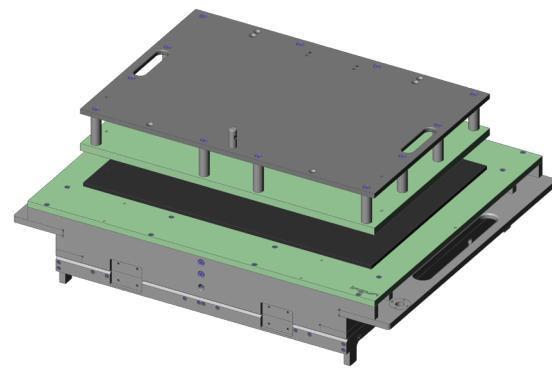
- Centring range between WSO and WSU: ± 1.5 mm
- Centring range of ADP: ± 0.075 mm

## Delivery

The kit is delivered partially assembled. Guides, compression springs, collar screws and eight supports (D16x50.8 mm) are included, but test system interfaces are not.

## General data

Product group:	Inline interchangeable kit (WS)
Subseries:	WS Teradyne
Series:	Without interface
Version:	Partially assembled
Scope of delivery:	5120
Max. interface signals:	No
Interface blocks required:	Yes
Dual-stage contacting:	Yes
Double-sided contact:	<p>Yes, with compatible additional option</p>
Weight:	24.2 kg [53.5 lbs]
Min. temperature:	10 °C [50 °F]
Max. temperature:	45 °C [113 °F]
Low voltage:	No
RoHS-compliant:	Yes



## Test system interfaces

The test system interfaces are available separately and are available in two versions (low/high density). The delivery is fully equipped with KT-158 02 (flat) contact terminals, and includes two stiffener bars and installation accessories. A maximum of two test system interfaces can be mounted in the WSU.

### Note:

Customising guidelines INFO 4548 should be used for the professional customisation of inline interchangeable kits.

### Note:

The guide pillars and guide bushes for WSO/WSU should be replaced after approximately 750,000 load cycles or 0.1 mm wear to ensure a consistently high contact quality.

### Note:

The usable area may decrease depending on the stopper position.

## Compatible with

Test systems: TERADYNE Multi-Site TSH-5x

## Technical data

Pushrod length:	50 mm [1.96 in]
Test probe installation height, top:	16 mm [.629 in]
Test probe installation height, bottom:	16 mm [.629 in]
Test probe installation height, dual-stage, bottom:	21.5 mm [.846 in]
Free space above PCB:	48 mm [1.88 in]
Useable area (WxD):	450 x 340 mm [17.7 x 13.3 in]
Outer dimensionS (WxDxH):	640 x 494 x 242 mm [25.1 x 19.4 x 9.52 in]

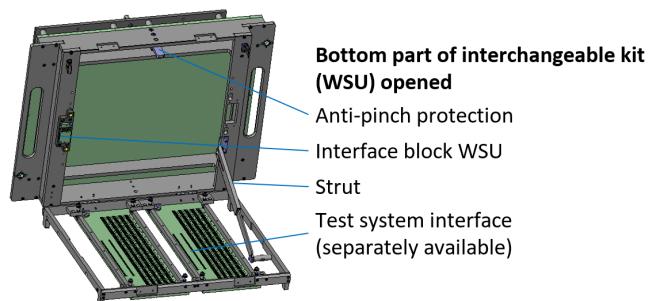
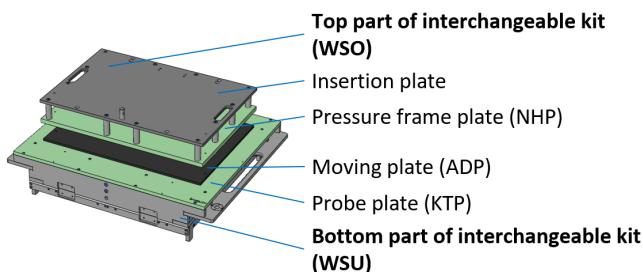
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## Test system interfaces & accessories

Part no.	Designation	Version
Test system interfaces		
109511	SST-TSH5x-1280	Test system interface for 1280 test points, fully equipped with 1920x KT-158 02 (flat)
109515	SST-TSH5x-2560	Test system interface for 2560 test points, fully equipped with 3520x KT-158 02 (flat)
Accessories		
111448	FB-KTP-TOP-WS-TD-TSH5x	Probe plate for top contacting including guides (FR4, 10 mm)
111449	ETK-FUS-12-95-ST-M4	Spare part kit guide pillars (round) and guide bushing WSO/WSU (95 mm long, M4)
111458	ETK-FUS-12-48-ST-M4	Spare part kit guide pillars (round) and guide bushing, top probe plate (56.5 mm long, M4)
109434	SB-P-SI-062-4A-25	Interface block for WSO and WSU, partially equipped with 25x KT-158 (part no. 3650)

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Prices and delivery times on request.  
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