FAST MOVING TECHNOLOGY

Test and Measurement Product portfolio

Test and Measurement

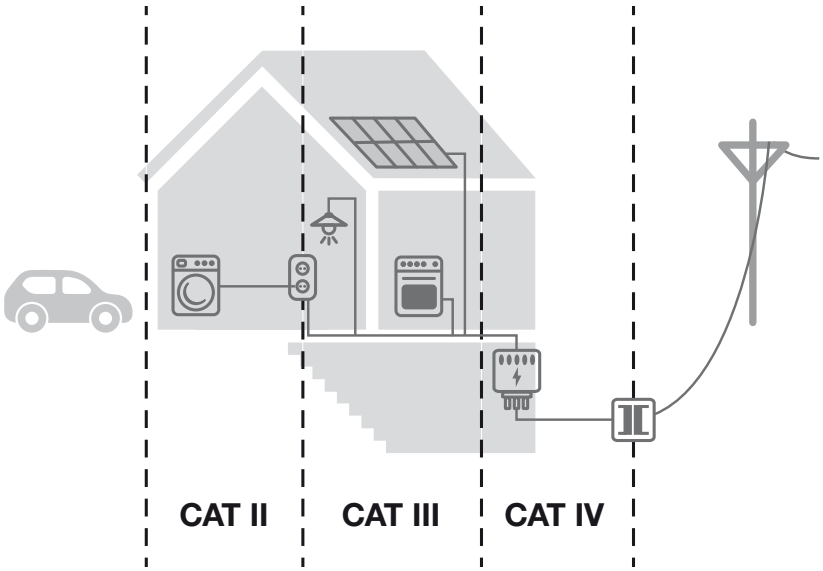
EN

Safe solutions for every measurement category

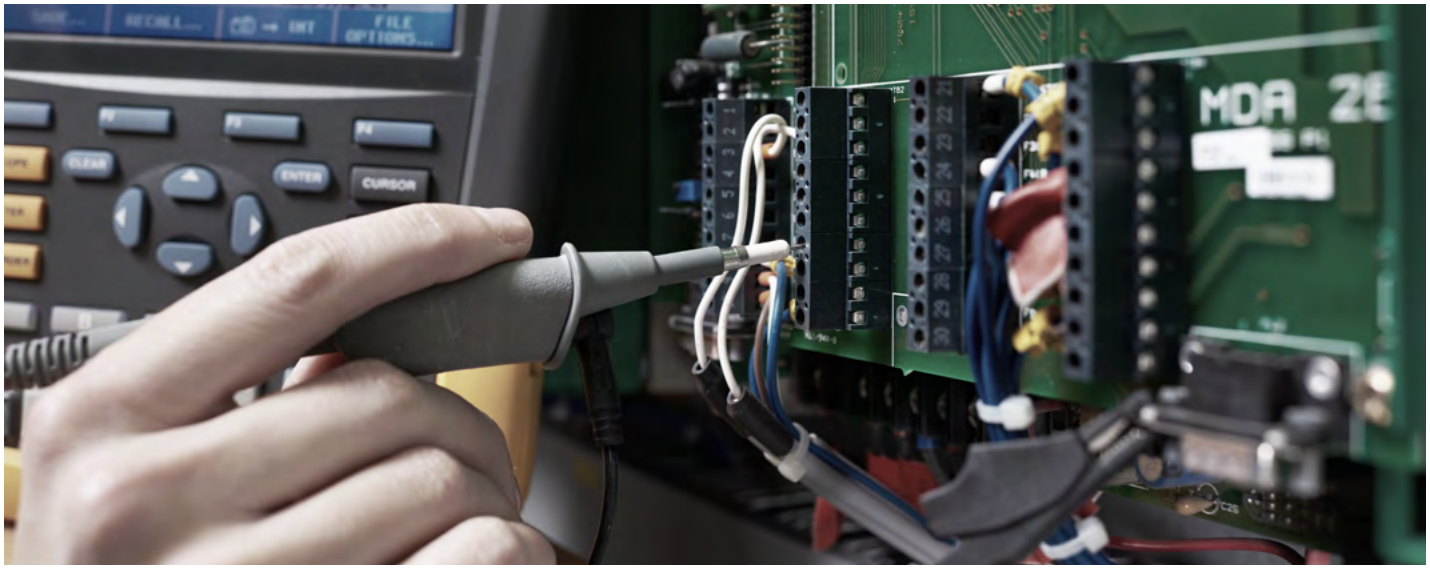
Our measurement accessories fulfill all current safety standards for measurement technology. From low- to medium-high systems; from MULTILAM plugs that are not touch-protected to touch-protected dolphin clips; from test clips and adapters to cables and multi-strand wires.

Measurement categories II (CAT II) in accordance with the IEC 61010-031 standard apply to connections via a socket, CAT III to the distribution circuit of the building installation and CAT IV to the feed-in point in the low-voltage grid.

Many of our products are particularly suited for use at high measuring voltages and higher frequencies. With our touch-protected probes for oscilloscopes and corresponding accessories, we also cover applications in the area of high-frequency measurement.



Applications and advantages



Stäubli test accessories are used in various measuring tasks. Stäubli offers accurately fitting accessories from extra-low to medium-high voltages, and from direct-current to high-frequency measurement technology. It can be found in electronics laboratories and training equipment, in service technologies and also in mains analysis/mains monitoring devices.

Thanks to the tried and tested MULTILAM Technology, Stäubli components guarantee longevity as well as reliability and meet the highest safety requirements. Our discerning clients rely on:

- A large range of standard and customized solutions
- Highest quality and safety standards
- Very low contact resistance
- High number of mating cycles

Additional information on the complete portfolio Test and Measurement can be found on our website:

Read more

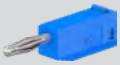
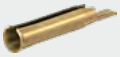
Or go straight to our product finder, where you can easily select the products you want:

Read more

And our distributors can be found here:

Read more

Ø 2 mm system

Measurement category	AC 30 V/DC 60 V	300 V		600 V		1000 V
Rated current		**CAT II**	**CAT III**	**CAT II**	**CAT III**	**CAT III**
Measurement leads max. 10 A	 LK205…	 SLK205-K...	 SLK205-W/L...	 SLK205-K...	 SLK205-W/L...	
User configurable plugs and sockets max. 10 A	 SLS205…	 SL205-K				
Solder-in/press-in/ built-in socket max. 15 A	 LB2	 EB2…				
Connection plug max. 10 A	 KS2-…	 SKS2-…				
Test probes max. 1 A	 SPP2-S					
Clips max. 10 A	 KPS1/B2	 MicroGrip-XB	 XKK-200			
Adapter max. 10 A	 A2/4					

Note:

These two pages show just a few examples from our comprehensive portfolio.

Ø 4 mm system

Measurement category	AC 30 V/DC 60 V	300 V		600 V		1000 V		
Rated current		**CAT II**	**CAT III**	**CAT II**	**CAT III**	**CAT II**	**CAT III**	**CAT IV**
Measurement leads max. 32 A	 LK-4…	 XZG4…			 SLK-4…		 XM…-41…	 XSM…-419
User configurable plugs and sockets max. 32 A	 LQ-4…	 SLS425-SW…	 XZGL-…		 SLQ-4…			
Solder-in/press-in/ built-in sockets max. 35 A	 LB4H-…	 SEB4-…						 XEB-1R
Connection plugs max. 32 A	 KS4-…	 SK…4N-19						
Test probes max. 32 A		 PP-115/4					 SPP4-S	 BT400
Clips max. 32 A	 APK-4	 SAGK4-K	 GRIP-F		 GRIP-A	 XDK-1033	 AB200	
Adapters max. 32 A	 LS410-I	 B4-E-M5-I			 XHK		 XMA-…	
Kelvin measurement cable max. 32 A		 XDK-KELVIN						
Special measurement accessories up to 5 kV max. 10 A			 XH…-5000					

Cables and multistrand wires

Insulators and features

We offer different types of insulation (listed below) and insulation materials (listed on the right) for different applications.

The type of insulation depends on whether simple insulation (...-E) is sufficient for your application, whether the leads are hand-held and require reinforced insulation, whether you are working with currents up to 290 A (...-S) or with voltages up to 20 kV (...-HV).

The insulation materials PVC, TPE or silicone have different features, which we have described on the right, with different advantages for you.

Types of insulation		
	**...-E** **Basic Insulation**	Basic protection against electric shock. Normal use for internal wiring of equipment.
	**...-1V** **Reinforced insulation**	For higher safety requirements in case of use in hand-held applications.
	**...-2V** **Two-layer, reinforced insulation**	For the highest safety requirements. Damage to the outer insulating layer can easily be detected due to the contrasting color for the underlying layer.
	**...-S** **High currents**	Current feeds and earth/ground wires for internal wiring of equipment. Safety test leads carrying high currents.
	**...-HV** **High voltage**	Flexible high voltage wiring Hand-held test leads for high voltage tests.

Note:
These two pages show just a few examples from our comprehensive portfolio.

Features of the leads	Insulation materials		
	PVC	**TPE**	**Silicone**
Temperature range	-10°C ... +70°C	-30°C ... +105°C	-50°C ... +150°C
Electrical properties	good	excellent (high insulation resistance)	outstanding
Flexibility	medium to good	high	excellent
Age resistance	good	good	very good
Halogen free	No	Yes (but not for tinned versions for high temperature)	Yes
Environmental Resistiveness	UV: Medium to good (depending on color)	UV, Ozone, Weather: good	UV, Ozone, Weather: very good; Chemicals: good
Advantages	Good cost-benefit ratio	Excellent electrical properties	High performance
	Max. AC 750 V Max. 32 A FLEXI-E 2,5	Max. AC 750 V Max. 32 A PLAST-E 2,5	Max. AC 600 V Max. 32 A SILI-E 2,5
	Max. AC 1000 V Max. 32 A FLEXI-1V 2,5	Max. AC 1000 V Max. 32 A PLAST-1V 2,5	Max. AC 1000 V Max. 32 A SILI-1V 2,5
	Max. AC 1000 V Max. 54 A FLEXI-2V 6,0	Max. AC 1000 V Max. 32 A PLAST-2V 2,5	Max. AC 1000 V Max. 32 A SILI-2V 2,5
	Max. AC 1000 V Max. 129 A FLEXI-S 25	not available	Max. AC 1000 V Max. 290 A SILI-S 95
	AC 10 000 V 15 A FLEXI-HV 0.75	AC 5000 V 10 A PLAST-HV 0.5 SN	Max. AC 20 000 V Max. 54 A SILI-HV 6,0

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● Stäubli Units ○ Representatives/Agents

Global presence of the Stäubli Group

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