Product Information

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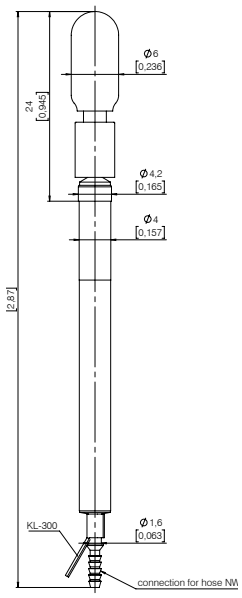
PKS-399

Operation of touchscreens using capacitive pneumatic test probes

The newly developed PKS-399 with capacitive tip style enables the operation, or testing, of capacitive touchscreens, such as those found on smart phones, tablets, and information monitors used in automated machinery. Normally touchscreens are operated using human fingers, which cause a change in the magnetic field and thus the electrical capacity. By measuring this change, each position on the touchscreen can be defined.

The PKS-399 replaces human fingers with its tip style, which was especially developed for this application. By using several of these test probes, as well as alternate pneumatic actuators, the operation of the touchscreens can be mimicked. In addition, the gentle operation is absolutely scratch free, and without electrical contact with the operator.

The installation is usually done using the KS-399 receptacle.
To guarantee the proper function, the PKS-399 must be connected to electrical ground using the connection clip KL-300.



PKS-399 with KL-300

Technical data:

Product name:	PKS-399
Grid size:	4.5 mm (180 Mil)
Working stroke:	12.0 mm (.472)
Cont. force at work. stroke:	4.2 N (15.2oz)
Maximum stroke:	20.0 mm (.787)
Operating medium:	Compressed air (filtered, oil-free)
Operating pressure:	6 bar (86 psi)
Operating temperature:	+5° to +40° C

Ordering Example

	Series	Tip Material 0 = conductive plastic	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring Force (dN)	Collar Height (mm)	Type 1TS
Test Probe:	PKS	399	0	05	600	A	42	02	1TS
Receptacle for PKS-399:	KS – 399							
Clip Connection with Solder Terminal for Type 1:	KL – 300							

Please contact us for further information.
Prices and delivery time on request.
Technical changes possible without prior notification.

More innovative products can be found on our website or in our Test Probes catalog.
Please pay special attention to our variety of High-current Test Probes.