

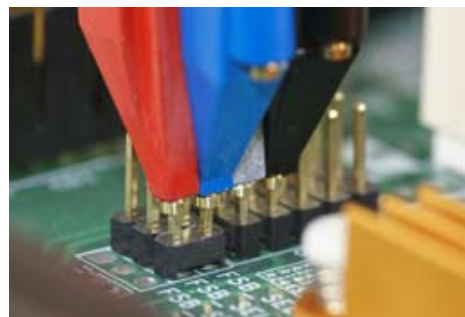
## TETRIS® Active Probe System

- High input impedance  
1 M $\Omega$  and 0,9 pF
- Interchangeable spring tips
- Contacts adjacent pins in 2.54 mm lead pitch
- Usable with any measuring instrument 50  $\Omega$  input



PMK presents a unique inline probing system:

The TETRIS® Active Probe can contact adjacent square pins in 2.54 mm pitch simultaneously. The probe's housing is T-shaped so that many probes can be positioned next to each other in a never ending chain. Like this a number of measurements can be performed at the same time.



# TETRIS® Active Probe System

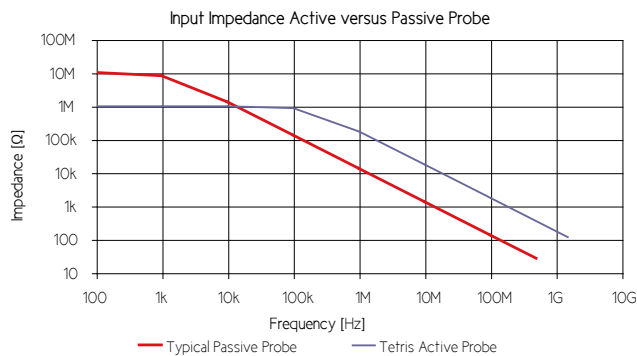
Bandwidth DC up to 1.5 GHz and high input impedance

The new TETRIS® active probe is a manufacturer independent measurement system which can be used with any oscilloscope. Its small size and the useful accessories make any measuring task easy. The picture on the right shows you this great flexibility. Not only tight-fit spaces can be reached, like smallest test points and vias. A variety of useful accessories is included in the standard scope of delivery.

## Bandwidth DC of up to 1.5 GHz

With an input resistance of 1 M $\Omega$  and an input capacitance of 0.9 pF the TETRIS® probe is suitable for measurements in all frequency ranges.

Two models are available – the TETRIS® 1000 with a bandwidth DC to 1 GHz and the TETRIS® 1500 with a bandwidth DC to 1.5 GHz.



Compared to passive probes the TETRIS® active probe offers a high input impedance into the GHz-range.

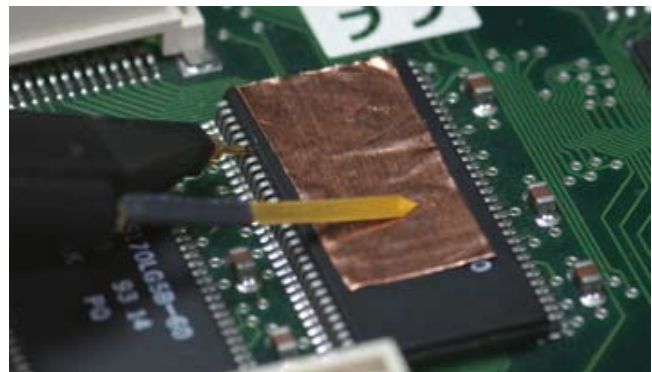
Passive probes with their relative high input capacitance load the signal source already at frequencies above 100 kHz.

That's why the TETRIS® active probe's high input resistance and its low input capacitance make it the ideal probe for all your measurements.



## Accessories

Both TETRIS® models are shipped with useful accessories – a solid tip as well as a spring-loaded contact tip. Also a selection of different ground connectors and leads are included in the scope of delivery as well as miniature test hooks (Picohooks).



Very short ground connections can be established with the ground blade and the copper pads – for signal true measurements on ICs.



## Active High Z Probes

Model	TETRIS <sup>®</sup> 1000	TETRIS <sup>®</sup> 1500
Order-No.	881-000-000	881-500-000
Attenuation	10:1	10:1
Input Impedance	1 M $\Omega$ 0.9 pF	1 M $\Omega$ 0.9 pF
Input Coupling of the Measuring Instrument	50 $\Omega$	50 $\Omega$
Probe Bandwidth (-3 dB)	1.0 GHz	1.5 GHz
System Bandwidth (-3 dB)	600 MHz (*)	1 GHz (**)
Input Dynamic Range	$\pm 8$ V	$\pm 8$ V
Max. Input Voltage	20 V	20 V
Cable Length (***)	1.3 m	1.3 m
Supply Voltage	Power Supply PS-01 included in the scope of delivery	Power Supply PS-01 included in the scope of delivery

(\*) with >500 MHz Oscilloscope

(\*\*) with 1 GHz Oscilloscope

(\*\*\*) Other cable lengths on request.

## Scope of Delivery TETRIS<sup>®</sup> Series

- Probe
- Spring Tip
- Solid Tip
- L-In Adapter
- Ground Blade
- 2 self-adhesive Cu-pads
- Ground Lead 6 cm
- Ground Lead 12 cm
- Ground Lead 90° 5 cm
- Ground Lead 90° 10 cm
- Y-lead adapter to 0.8 mm sockets
- Picohook™ black
- Picohook™ red
- Marker Bands 4 Colors
- Z-Ground
- Power Supply

# Accessories for TETRIS® Active Probes

## Probe Tips

- Set of 5 Spring Tips  
Order-No. 890-800-001
- Set of 5 Solid Tips  
Order-No. 890-800-000
- L-In Adapter  
Order-No. 890-500-800

## Ground Connectors

- Ground Blade  
Order-No. 018-291-103
- Z-Ground  
Order-No. 890-400-800
- 10 self-adhesive Cu-pads  
(2 x 2 cm)  
Order-No. 890-100-150

## Ground Leads

- Ground Lead 6 cm  
Order-No. 890-400-801
- Ground Lead 12 cm  
Order-No. 890-400-802
- Ground Lead 90° 5 cm  
Order-No. 890-400-803
- Ground Lead 90° 10 cm  
Order-No. 890-400-804

## Sprung Hooks

- Picohook™ black  
Order-No. P25-0
- Picohook™ red  
Order-No. P25-2

## Micro Clips

- 1 pair QFP IC-Clips short  
down to 0.5 mm pitch  
Order-No. 890-502-000
- 1 pair QFP IC-Clips 13 mm long  
down to 0.5 mm pitch  
Order-No. 890-502-130

## Adapters

- Y-lead adapter to 0.8 mm sockets  
Order-No. 890-720-800

## Miscellaneous

- Marker Bands 4 x 4 Colors  
Order-No. 890-020-916
- TETRIS® Standard Accessory Set  
Order-No. 899-180-000
- Power Supply PS-01  
Order-No. 889-000-001

