

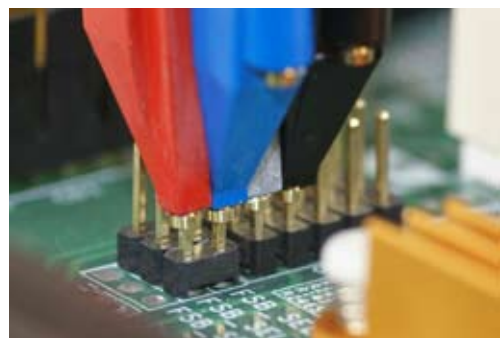
TETRIS® Active Probe System

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

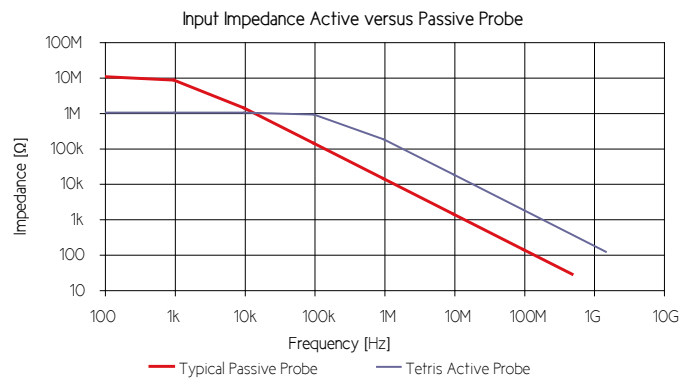
A variety of useful accessories is included in the standard scope of delivery.



Bandwidth DC of up to 1.5 GHz

With an input resistance of 1 MΩ 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.



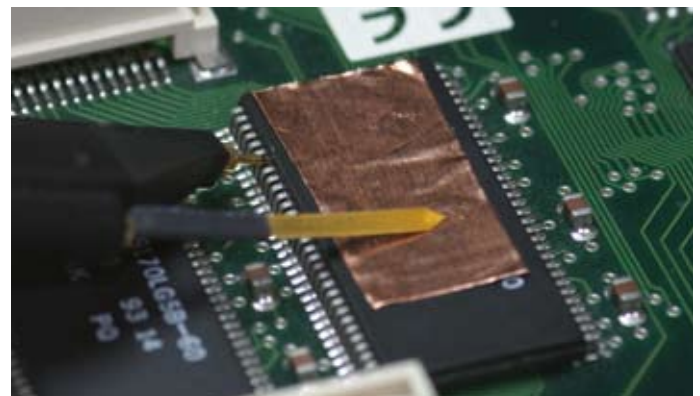
Compared to passive probes the TETRIS® active probe offers a high input impedance into the GHz-range.

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 [®] 1000 | TETRIS [®] 1500 |
|--|--|--|
| Order-No. | 881-000-000 | 881-500-000 |
| Attenuation | 10:1 | 10:1 |
| Input Impedance | 1 M Ω | 1 M Ω |
| | 0.9 pF | 0.9 pF |
| Input Coupling of the Measuring Instrument | 50 Ω | 50 Ω |
| Probe Bandwidth (-3 dB) | 1.0 GHz | 1.5 GHz |
| System Bandwidth (-3 dB) | 600 MHz (*) | 1 GHz (**) |
| Input Dynamic Range | ± 8 V | ± 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[®] 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

