



TETRIS[®] SERIES

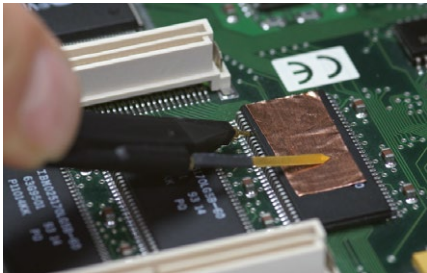
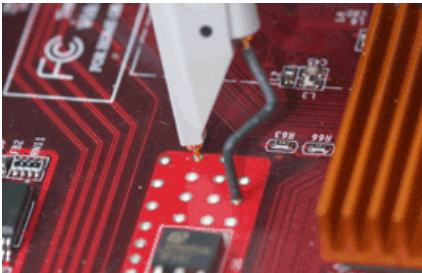
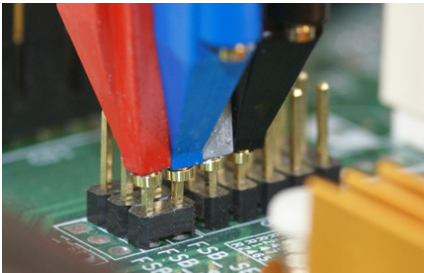
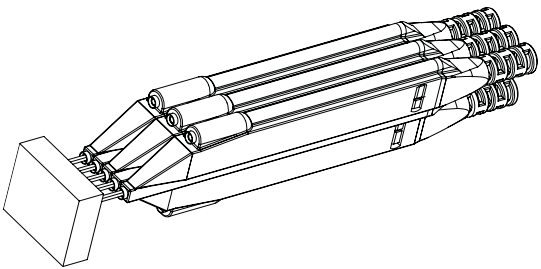
High Impedance Active Probes up to 2.5 GHz

Datasheet

About TETRIS® Series

The active probes of the TETRIS® series offer a wide dynamic measurement range of $\pm 8\text{V}$ and up to 2.5 GHz bandwidth. With a very high input resistance of $1\text{M}\Omega$, low input capacitance of 0.9pF and useful standard accessories the TETRIS® series probes are ideal for a wide range of low and high frequency measurements.

Individual contacting options, including the unique in-line probing system for multi-contacting adjacent pin connectors in 2.54mm pitch, and the universal BNC connector for measurement instruments with 50Ω input make the active probe TETRIS® series universally applicable in every lab.



Specifications

	TETRIS® 1000	TETRIS® 1500	TETRIS® 2500
Order-Number	881-000-INT	881-500-INT	882-500-INT
Electrical Specifications			
Attenuation Ratio *	10:1	10:1	10:1
Dynamic Measuring Range *	$\pm 8\text{V}$	$\pm 8\text{V}$	$\pm 8\text{V}$
Bandwidth *	1 GHz	1.5 GHz	2.5 GHz
Maximum Rated Input Voltage *	20 V	20 V	20 V
Input Resistance *	$> 1\text{M}\Omega$	$> 1\text{M}\Omega$	$> 1\text{M}\Omega$
Input Capacitance (System)	0.9 pF	0.9 pF	0.9 pF
Oscilloscope Input Coupling	50 Ω AC / DC	50 Ω AC / DC	50 Ω AC / DC

Mechanical Specifications	
Weight (probe only)	96 g
Cable Length	1.3 m
Probe Input Sockets	0.64 mm square / 0.8 mm round
Output Connector	BNC (male)

Environmental Specifications		
Altitude	operating	up to 2000 m
	non-operating	up to 15000 m
Temperature Range	operating	0 °C to +50 °C
	non-operating	-40 °C to +71 °C
Maximum Relative Humidity	operating	80 % relative humidity for temperatures up to +31 °C, decreasing linearly to 40 % at +50 °C
	non-operating	95 % relative humidity for temperatures up to +40 °C

This product comes with 2 years warranty. Specifications that are not marked (*) as guaranteed are typical.

Max. Input Voltage and Dynamic Measuring Range

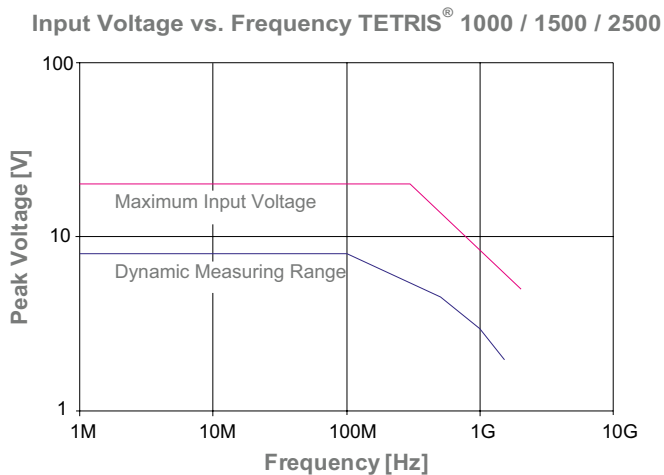
The TETRIS® probe is protected against electro-static-discharge voltage (ESD). Applying input voltages outside the specified limits can result in a defect of the probe's amplifier.



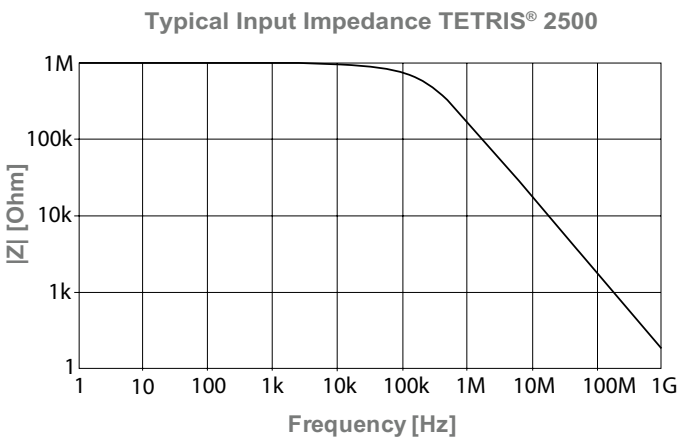
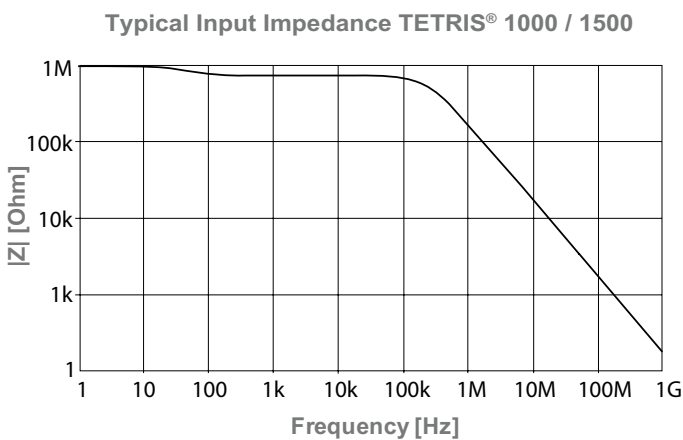
The maximum amplitude of the applied signal may not exceed the limits stated by the graph below to counter harmonic distortion and avoid input linearity errors. (Dynamic Measurement Range).



The maximum amplitude of the input signal may not exceed the limits state by the graph below to avoid damage to the probe. (Maximum Input Voltage).



Note that the input impedance of the probe decreases as the frequency of applied signal increases.



Probe Accessories

The parts supplied are **highlighted**, see also "Scope of Delivery".



Scope of Delivery

Accessories delivered with each probe are highlighted in the graphical overview.

Items	Qty	Items	Qty
Probe TETRIS	1	Marker Bands (4 colors)	4
Calibration Certificate	1	Ground Lead 7 cm	1
Instruction Manual	1	Pair of Picohooks™ (black / red)	2
Power Supply PS-01 with Primary Adapters for EU, UK and USA	1	Y-Lead Adapter to 0.8 mm Sockets	1
Case	1	PCB Adapter	1
Ground Lead 13 cm	1	Ground Blade	1
Ground Lead 90° 5 cm	1	Self adhesive Cu Pad (2 cm x 2 cm)	2
Ground Lead 90° 10 cm	1	Solid Tip	1
Ground Leaf	1	Spring Tip	1
L-in Adapter	1	Z-Ground	1

Ordering Information

A power supply unit is already included in the scope of delivery.

Article	Order Number
TETRIS 1000	881-000-INT
TETRIS 1500	881-500-INT
TETRIS 2500	882-500-INT