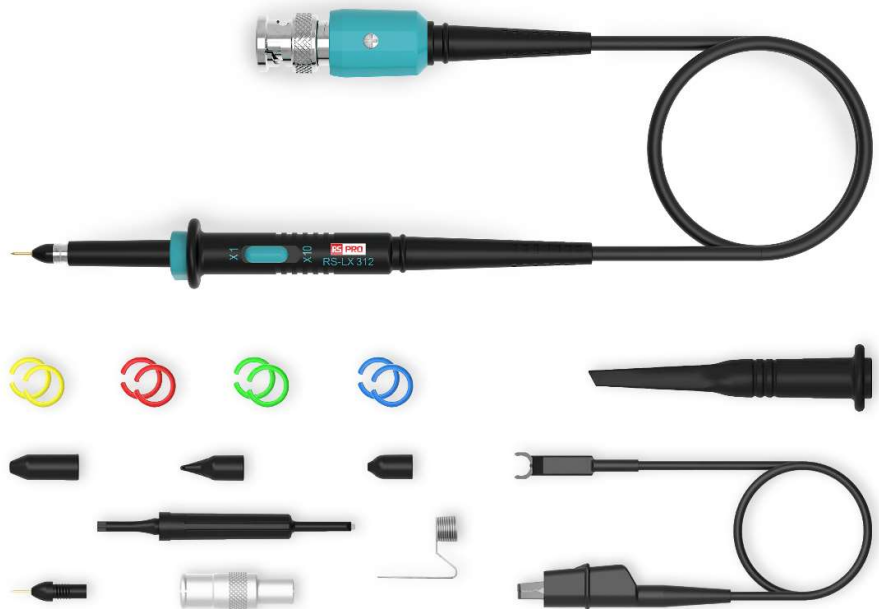


Features

- 1:1 / 10:1 passive probe
- 55Vrms / 400Vrms CAT II
- 10 / 150MHz
- BNC-Connector
- DC-Accuracy $\pm 2\%$
- 17pcs accessory kit

RS PRO Oscilloscope Probe RS-LX 312

RS Stock No.: 0162594, 0162595, 0162591,
0162592



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The RS PRO RS-LX series passive oscilloscope probe is ergonomically designed and is suitable for use with all the major brands of oscilloscopes as well as our range having 1MOhm input. This probe does not require a power supply or batteries making it lightweight and easily portable. It comes with a switchable 1:1 / 10:1 attenuation and a bandwidth up to 150MHz. Probe and accessories are designed for measurements up to 400Vrms CAT II. 17pcs accessory kit included.

General Specifications

Probe Type	Passive
Number of Probes	1
Tip Style	Sharp Point
Connector Type	BNC
Probe Colour	Black / Mint
Applications	Voltage Measurements

Probe Specifications

Bandwidth	DC to 10MHz (1:1) / 150MHz (10:1)
Attenuation ratio	1:1 / 10:1

DC-Accuracy	±2%
Rise Time	35ns (1:1) 2,3ns (10:1)
Absolute Maximum Rated Input Voltage	55Vrms CAT II (1:1) 400Vrms CAT II (10:1)
Maximum Differential Input Voltage (DC + AC Peak)	n.a
Maximum Common Mode Input Voltage	n.a
Input Impedance	1MΩ, 47pF (1:1) 10MΩ, 13pF (10:1)
Compensation Range	8pF to 25pF (10:1)
Slew Rate	n.a.
Input Capacitance	47pF (1:1) 13pF (10:1)
Output Voltage Swing	n.a.
Output Offset (Typical)	n.a.
Output Voltage Noise	n.a.
CMRR (Typical)	n.a.
Measurement Category	Measurement Category - CAT II
Source Impedance (Typical)	n.a.
Interface	n.a.

Electrical Specifications

Power requirement - Standard	n.a.
Power requirement - Optional	n.a.
Battery type	n.a.
Battery Life	n.a.
Battery Included	n.a.
Input Resistance	10MΩ (10:1)
Input Capacitance	13pF (10:1)
Input impedance	10MΩ / 13pF (10:1)
Compensation Range	8pF to 25pF (10:1)
Safety Category Level	Measurement Category - CAT II

Mechanical Specifications

Probe Length	11cm
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Cable Length	1.2m
Length of input leads	45cm
Length of BNC lead	95cm
Dimensions	170mm x 63mm x 21mm
Weight	100g

Operation Environment Specifications

Altitude	3,000m
Humidity	5% - 95% (10°C to 30°C)
Pollution Degree	2
Operating Temperature Range	0°C to 50°C

Classification

eCl@ss Version	n.a.
UNSPSC Version	n.a.

Approvals

Compliance/ Certification	2014/35/EU - Low Voltage Directive, LVD In accordance with harmonized standard EN 61010-031:2015
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	2014/30/EU - EMC Directive, EMC In accordance with the following harmonized standards: EN 61326-1:2013 and EN 61326-2-2:2013 2011/65/EU - Directive for certain hazardous substances, RoHS incl. 2015/865/EU - Amendment Annex II In accordance with harmonized standard EN IEC 63000:2018 EN 61010-1: 2010/A1:2019/AC:2019-04 Part 01: Safety requirements for electrical equipment for measurement, control, and laboratory use. EN 61010-031:2015 + A1:2021 + A11:2021 Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement.
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Accessories Includes

Stock #	Item Name	Item Description	Quantity
	Coding Rings	4 Colors – 2 each	8
	BNC Adapter		1
	Probe Tip Cover		1
	Tip Insulator		2
	Spare Probe Tip		1
	Sprung Hook		1
	Ground Lead w/Alligator Clip		1
	Ground Spring		1
	Trimmer Tool		1

Similar Products

Parameters	Stock#	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO	RS PRO
Model Number				
Probe Type				
Tip Style				
Connector Type				
Bandwidth				

Attenuation ratio				
Accuracy				
Rise Time				
Absolute Maximum Rated Input Voltage (each side to ground)				
Maximum Differential Input Voltage (DC + AC Peak)				
Maximum Common Mode Input Voltage				
Slew Rate				
Input Impedance				
Input Capacitance				
Output Voltage Swing				
Output Offset (Typical)				
Output Voltage Noise				
CMRR (Typical)				
Probe Length				
Cable Length				

Product Additional Information / Diagrams / Illustrations