

R&S® FPAS FIELD PROBE ANTENNA STAND

Effectively RF transparent
in anechoic chambers



Data Sheet
Version 02.02

ROHDE & SCHWARZ

Make ideas real



AT A GLANCE

The R&S®FPAS field probe antenna stand can hold various types of probes during field uniformity testing. The extremely low dielectric constant in the R&S®FPAS effectively prevents any interference with field uniformity tests for more precise test results.

Text 1 Zeile Abstand zum Teaser



Nearly invisible to the RF spectrum

The R&S®FPAS has an extremely low dielectric constant material that has minimal influence on field probes. Instead of reflecting electromagnetic waves back to a field probe, the R&S®FPAS allows the waves to pass through it.

Height adjustable

The R&S®FPAS has standard field uniformity test heights in line with IEC 61000-4-3: 0.80 m, 1.30 m, 1.80 m and 2.30 m. If a different height is needed, the R&S®FPAS-PA1 adjustable probe arm can be flexibly mounted anywhere on the R&S®FPAS mast to adjust the field probe height.

Multiple probe types supported

¼" threaded field probes (sphere and cube style) can be mounted out-of-the-box with the ¼" threaded screw. Stalk style probes are also compatible with the R&S®FPAS-PA1.

Up to four R&S®FPAS-PA1 can be used at the same time for multi-probe automotive testing.

Easy to assemble, rigid, lightweight and highly maneuverable

The R&S®FPAS is mainly made from closed cell foam, making it exceptionally rigid and lightweight. The casters in the base make the R&S®FPAS highly maneuverable for easy positioning within anechoic chambers.

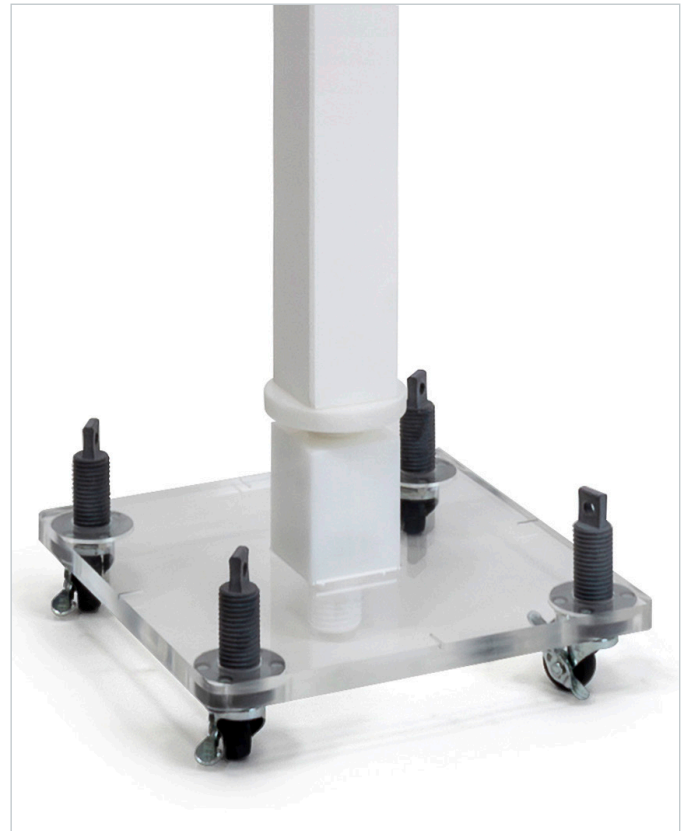
Also available as a table top probe stand

Along with the floor standing R&S®FPAS model, a table top version (R&S®FPAS-T) is also available for a wide variety of automotive component testing. One R&S®FPAS-PA1 is included with the R&S®FPAS-T as a set.

R&S®FPAS-PA1 adjustable probe arm



R&S®FPAS base with casters and levelers



SPECIFICATIONS

R&S®FPAS field probe antenna stand

Maximum payload		0.8 kg (1.76 lb)
Material	main stand	polymethacrylimide
	base	acrylic, polyoxymethylene, polyamide12
	casters	rubber, steel
Dielectric constant	main stand	1.07
Probe heights supported	base unit	0.80 m, 1.30 m, 1.80 m and 2.30 m
	with R&S®FPAS-PA1	adjustable, maximum mounting position of R&S®FPAS-PA1 at 2307 mm
Probe types supported	base unit	¼" threaded field probes
	with R&S®FPAS-PA1	¼" threaded field probes and stalk style probes
Number of probes supported	base unit	1
	with 4 × R&S®FPAS-PA1	maximum 4
Dimensions (W × H × D)	leveler lowest setting	3.60 m × 2.2 m × 3.60 m (11.8 ft × 7.2 ft × 11.8 ft)
	leveler highest setting	3.60 m × 2.35 m × 3.60m (11.8 ft × 7.7 ft × 11.8 ft)
Net weight		5.85 kg (12.9 lb)

R&S®FPAS-T table top version

Maximum payload		0.4 kg (0.88 lb)
Material	main stand and base	polymethacrylimide
	adjustable probe arm	polymethacrylimide, polyamide12
Dielectric constant	main stand and base	1.07
	adjustable probe arm	2.75
Probe heights supported		adjustable, maximum mounting position of R&S®FPAS-PA1 at 362 mm
Probe types supported		¼" threaded field probes and stalk style probes
Number of probes supported		1
Dimensions	W × H × D	0.20 m × 0.40 m × 0.31 m (0.7 ft × 1.3 ft × 1.0 ft)
Net weight		0.1 kg (0.22 lb)

R&S®FPAS-PA1 adjustable probe arm

Maximum payload		0.4 kg (0.88 lb)
Material		polymethacrylimide, polyamide12
Dielectric constant		2.75
Tilt adjustment		0° to 360°
Probe types supported		¼" threaded field probes and stalk style probes
Number of probes supported		1
Dimensions	W × H × D	0.11 m × 0.60 m × 0.23 m (0.3 ft × 0.2 ft × 0.8 ft)
Net weight		0.3 kg (0.66 lb)

ORDERING INFORMATION

Designation	Type	Order No.
Base units		
Field probe antenna stand	R&S®FPAS	5611.6519.02
R&S®FPAS table top version, includes one R&S®FPAS-PA1	R&S®FPAS-T	5611.6531.02
Accessory		
Adjustable probe arm	R&S®FPAS-PA1	5611.6525.02

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