

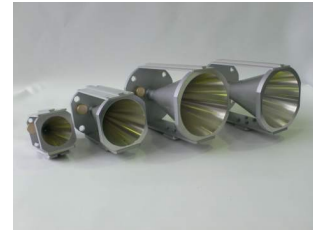
The 'Sniffer' Conical Horn Antenna System

Introduction

The 'Sniffer' is the ultimate solution for performing simple microwave link measurements using small, lightweight, and reliable conical horn antennas.

The product family consists of small-size, wideband conical horn antennas, a smart mounting system, and optional coaxial-to-waveguide adapters. Waterproof handbag and riflescope for direction finding are also available upon request.

The 'Sniffer' is the ideal tool for performance checks, failure searches and interference measurements: it is easy to climb up to the tower with the small-size and lightweight horn antenna that can be mounted on horizontal or vertical pole by hand without any tools.

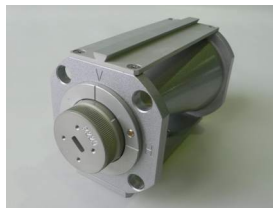


'Sniffer' conical horn antennas

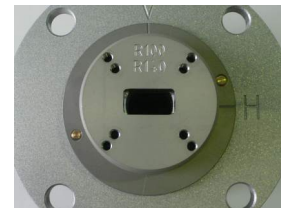
Key Features



Designed for tough conditions: the robust cones are machined from a single aluminium rod.



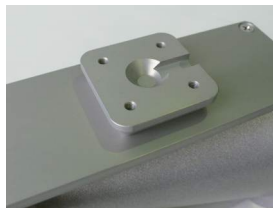
Fine polarization adjustment (0° ... 360°, continuously) can be made by hand.



Multi-standard UBR flanges* are available for coaxial-waveguide adapter or flextwist connection.



Metallic rotary cap provides high-level protection for optional coaxial-waveguide adapter.



Quick release shoe helps attaching the antenna on different supporting systems.



Pole mounting kit can be assembled and fine adjusted in all directions by hand for measurements on tower.



The camera tripod can be used during measurements on flat surface.



Optional riflescope can be attached to the antennas using the guide on the top.



Waterproof handbag with padded divider system is available for safe storage and transportation.

Specifications

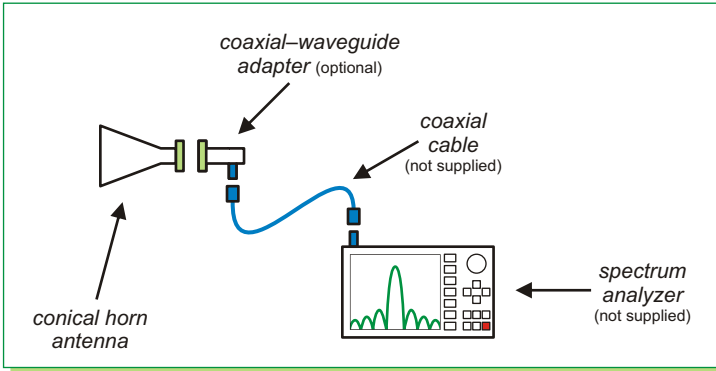
Horn Type	Frequency Range	Gain (typ)	Flange*	Connector**
CH 0.11 S 60100	6.000–10.000 GHz	15.5 – 19.0 dBi	UBR84	3.5 mm (SMA)
CH 0.11 S 75120	7.500–12.000 GHz	17.5 – 19.5 dBi	UBR100	3.5 mm (SMA)
CH 0.11 S 107154	10.700–15.350 GHz	19.5 – 20.5 dBi	UBR100/120/140	3.5 mm (SMA)
CH 0.11 S 120180	12.000–18.000 GHz	19.5 – 21.0 dBi	UBR140	3.5 mm (SMA)
CH 0.08 S 170245	17.000–24.500 GHz	19.5 – 21.5 dBi	UBR220	3.5 mm (SMA)
CH 0.08 S 177265	17.700–26.500 GHz	20.0 – 22.0 dBi	UBR220/260	2.92 mm (K)
CH 0.05 S 265400	26.500–40.000 GHz	20.0 – 22.0 dBi	UBR320	2.92 mm (K)

* Multi-standard flanges have threads according to all patterns indicated.

** Optional coaxial-waveguide adapters have female connectors.

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Application – Measurement using Spectrum Analyzer



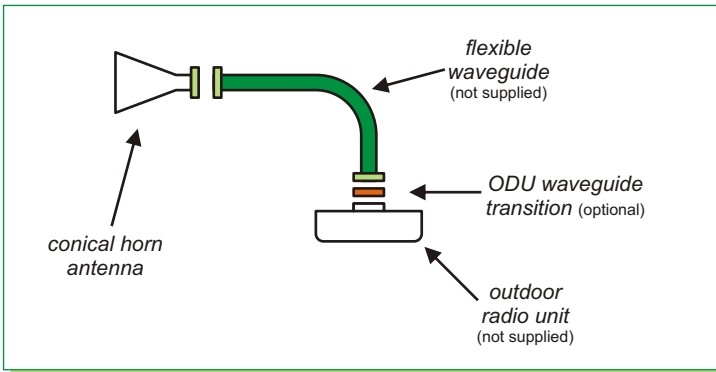
The 'Sniffer' can be used for measurements using spectrum analyzer.

It is recommended to use mechanically protected coaxial-waveguide adapters for measurements.



Note: 3.5 mm (SMA) and 2.92 mm (K) coaxial connectors are mechanically compatible, therefore, the recommended coaxial-waveguide adapters fit most spectrum analyzers.

Application – Measurement using Outdoor Radio Unit



The 'Sniffer' can be used for measurements using outdoor radio unit.

Flexible waveguides can be mounted on the waveguide flange of the conical horn antennas, providing a guided wave connection for outdoor radio unit.



Note: Some outdoor radio units are equipped with special flange, that require optional ODU waveguide transitions for flexible waveguide connection. Please contact us for details.