

CABAN R54 VECTOR REFLECTOMETER

Planar LLC is now developing a Vector Reflectometer, which will allow to perform measurements in coaxial antenna and feeder transmission lines both in laboratory facilities and in field.

The Reflectometer is designed for operation with external PC, which is not supplied by the manufacturer.



The power supply and connection to PC are via USB interface. The Reflectometer is implemented in a splash-proof housing, has a wide operating temperature range from -10 °C to + 50 °C, and weighs less than 0.25 kg.

The Reflectometer offers the function of measuring the reflection coefficient in time domain. This function allows the user to monitor and measure parameters of connectors and discontinuities in antenna-feeder devices without dismantling them.

The mass production of CABAN R54 is planned to the end of 2011.

Frequency range	85 MHz to 5.4 GHz
Measured parameters	S_{11} , cable loss
Measurement range IS_{11}	0-35 dB
cable loss	0-35 dB
Measurement time per point	200 μ s
Operating temperature range	-10 °C to + 50 °C
Dimensions (L x W x H)	120 x 39 x 19 mm
Weight	0.25 kg

