

# Adjustable Signal Samplers

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## Features

- Wide Frequency Range of Operation
- Low VSWR and Insertion Loss
- Quick Match Connectors
- Two Year Limited Warranty



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## Description

Now, you can extract a low signal level from a 50-Ohm coaxial system with the Model 7998 and 7999 series of Adjustable Signal Samplers from Coaxial Dynamics.

These Signal Samplers are essential tools for spectrum analysis, RF signal scope observation, or frequency counting control. The adjustable signal samplers exhibit a very low VSWR throughout their wide frequency and coupling range.

Our user-oriented design features an easy access knob which enables fine adjustments of the coupling magnitude. Once the desired level is reached, the setting can be locked.

The Model 7998 series produces, at the BNC sample port, a non-directional RF sample adjustable over a 15 dB range which is 35 to 65 dB below the main line signal. It is usable over a frequency range of 20 to 1000 MHz and up to 1000 watts.

For low frequency RF sampling, select the Model 7999 series for RF signals between 1.5 and 35 MHz and up to 5000 watts. The RF sample is adjustable over a 18 dB range which is 40 to 68 dB below the main line signal. All other features are identical to Model 7998.

Models 7998-4 and 7999-4 are designed for direct mating to any Coaxial Dynamics product having Quick Match Connectors. Mount your desired connector configuration to one side of the block. Mount the other side directly to the Quick Match interface, thus eliminating one connector pair while providing on-the-spot sampling.

Your confidence in the quality and dependability of the 7998/7999 Series Adjustable Signal Samplers is assured with the Coaxial Dynamics Two Year Limited Warranty.

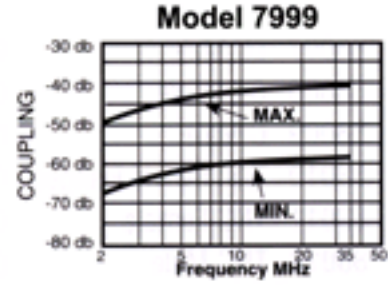
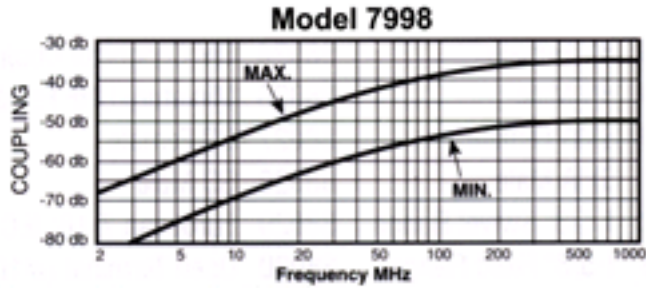
## Available Models

Model	QM Connector Input/Output	Model	QM Connector Input/Output
7998	N Female/N Female	7999	N Female/N Female

7998-1	N Male/N Female	7999-1	N Male/N Female
7998-2	UHF Female/UHF Female	7999-2	UHF Female/UHF Female
7998-3	UHF Male/UHF Female	7999-3	UHF Male/UHF Female
7998-4	QM Interface	7999-4	QM Interface
7998-5	None*	7999-5	None*

\*Optional [Quick Match Connectors](#) available.

## Specifications



Model	7998 Series	7999 Series
Maximum Power	1000 W	5000 W
Frequency Range	20 to 1000 MHz	1.5 to 35 MHz
Insertion VSWR*	1.10 max 2 to 512 MHz 1.25 max 512 to 1000 MHz	1.07 max 1.5 to 35 MHz
Insertion Loss	0.1 dB max 2 to 512 MHz 0.2 dB max 512 to 1000 MHz	0.1 dB max 1.5 to 35 MHz
Coupling	Adjustable as shown +/- 3 dB	
Weight	8 oz (.23 kg)	
Dimensions	2.8" x 2.9" x 1.25" (7.1x7.4x3.2cm)	

\*With type N Quick Match Connectors

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