

VARIABLE SIGNAL SAMPLER

7900 SERIES

MODELS 7998 AND 7999



Model 7998



Model 7999

Now, you can extract a low signal level from a Coaxial system with our **Models 7998 and 7999 series Adjustable Signal Samplers** new from Coaxial Dynamics.

Models 7998 and 7999 are essential tools for spectrum analysis, R.F. 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).

Model 7998 produces at the BNC port a non-directional R.F. sample adjustable over a 15 dB range which is 35 to 65 dB below the main line signal. It is usable between 20 and 1000 MHz and up to 1000 Watts.

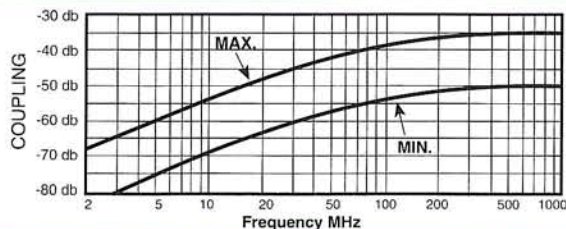
The main line connectors are coaxial quick-match type with more than sixteen choices available.

For low frequency R.F. sampling, select Model 7999 for R.F. signals between 1.5 and 35 MHz, adjustable over a 18 dB range, 40 to 68 dB below the main signal. All other features are identical to Model 7998.

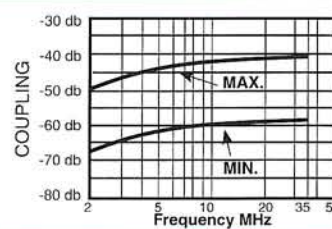
Models 7998-4 and 7999-4 are designed for direct mating to any Coaxial Dynamics product having quick match connectors. Mount your desired connector configuration to one side of the block. Mount the other side directly to the Quick Match interface, thus eliminating one connector pair while providing on-the-spot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

The coupling is shown by the curves below. Order Model 7998 for 20 to 1000 MHz and Model 7999 for 1.5 to 35 MHz applications.

Model 7998



Model 7999



Coaxial Dynamics

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MODEL 7998 AND 7999 VARIABLE SIGNAL SAMPLERS

SPECIFICATIONS MODEL 7998

Frequency range:	20 TO 1000MHz
Max. Power:	1000 watts
Insertion VSWR:	1.1 Max. 2-512 MHz 1.25 Max.512-1000 MHz (with "N" connectors)
Insertion loss:	0.1 db Max. 2-512 MHz 0.2 db Max. 512-1000MHz
Coupling:	Adjustable as shown +/- 3db
Connectors:	QM Type as specified
Weight:	7 oz. Nominal
Finish:	Silver Plate
Size: Nominal	2 51/64 x 2 7/8 x 1 1/4 (71 x 73 x 32mm)

SPECIFICATIONS MODEL 7999

Frequency range:	1.5 - 35MHz
Max. Power:	5000 watts
Insertion VSWR:	1.07 Max. 1.5 to 35 MHz (with "N" connectors)
Insertion loss:	0.1 db Max. 1.5 to 35 MHz
Coupling:	Adjustable as shown +/- 3db
Connectors:	QM Type as specified
Weight:	7 oz. nominal
Finish:	Silver Plate
Size (Nominal):	2 51/64 x 2 7/8 x 1 1/4 (71 x 73 x 32mm)

CONNECTORS MODEL 7998

MODEL NUMBER	QM CONNECTORS
7998	Type N: Two Female
7998-1	Type N: Male/ Female
7998-2	UHF: Two Female
7998-3	UHF: Male/ Female
7998-4	Mount to QM Interface
7998-5	Choose connectors from table

CONNECTORS MODEL 7999

MODEL NUMBER	QM CONNECTORS
7999	TYPE N: Two Female
7999-1	Type N: Male/Female
7999-2	UHF: Two Female
7999-3	UHF: Male/Female
7999-4	Mount to QM Interface
7999-5	Choose connectors from table

88000 SERIES RF QUICK MATCH 50 ohm CONNECTORS

88000 N Female	88007 LC Male	88013 HN Female	88024 QM Connector Coupling Block
88001 N Male	88008 C Female	88014 HN Male	88026 Miniature UHF Female
88002 BNC Female	88009 C Male	88020 SMA Female	88027 SC Female
88003 BNC Male	88010 7/8" Swivel Flanged	88021 SMA Male	88028 SC Male
88004 UHF Female	88011 TNC Female	88022 1 5/8" Swivel Flange	88029 European 7/16" IEC Female
88005 UHF Male	88012 TNC Male	88023 1 5/8" Fixed Flange	88030 Open Terminal (#10-32 Nut)
88006 LC Female			

FOR MORE INFORMATION CALL TOLL FREE 1-800-COAXIAL (262-9425)

