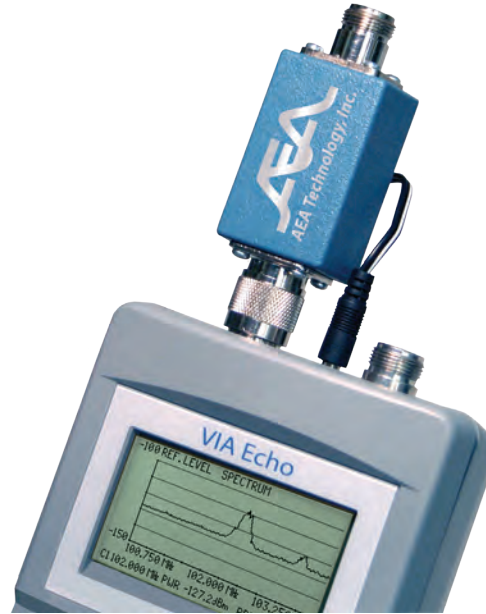




Pre-Amplifier



30 dB Attenuator



Pre-Amplifier on S21 port using Echo's battery power

Expand the capabilities of your VIA Echo 1000SF or 2500's Spectrum Analyzer and Power Meter

Using the optional Pre-Amplifier or 30 dB attenuator can expand the Echo's ranges significantly. Our Pre-Amplifier will improve the Spectrum Analyzer's noise floor to a nominal -125dBm. It's powered by the Echo's rechargeable batteries or by AC wall power via the Echo's charging adapter. Additionally, the VIA Echo is designed to work with 1-60 dB attenuators and provide direct readout of the Spectrum Analyzer or Power Meter's readings as adjusted by the attenuator's size. Information on our 30 dB attenuator is shown below.

Pre-Amplifier Specifications

Gain	44 dB nominal
Bandwidth	2.2 GHz nominal
Noise Figure	3.5 nominal

Power	7-15 VDC, 60 mA
Size including N connectors	3.75 x 1.375 x 1.375 inches (94 x 33 x 33 mm)
Weight	4.5 oz (126 grams)

Attenuator Specifications

Attenuation	30dB
Power	50 Watts

Frequency Rating	0-2.5 GHz
Connectors	N female input & N male output to instrument

Features

- Light-weight and easy to install
- Rugged N-Connectors
- Pre-Amplifier powers from Echo's batteries or AC wall adapter
- Also comes with AC adapter in the Pre-Amplifier Kit for use with other manufacturer's instruments
- Easy F-key selection and attenuator settings
- Attenuated readings are dB adjusted

Benefits

- Pre-Amplifier expands Echo's Spectrum Analyzer and Power Meter ranges to -125 dB
- Attenuator adds capability to read transmit or receiver power up to 50 dBm or 1 Watt

Part Numbers

6025-0290 Pre-Amplifier
 6025-0295 Pre-Amplifier Kit
 6025-0265 Attenuator

See reverse for more accessories



Made in the USA



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Soft Carrying Case - Weather resistant case with closed cell foam interior, snap together carry handles and detachable shoulder strap.
P/N 6015-1002



Hard Carrying Case - Rugged weather-tight plastic shell with closed cell foam interior, 2 padlock holes and pressure vent.
P/N 6015-1003



Belt Case - Weather resistant padded case with detachable shoulder strap and strand hook.
P/N 5001-1002



N Terminator Set
Short, 50Ω Match & open
P/N 6025-0270



N-Female Terminators
Short & 50Ω Match
P/N 6015-1302



N-Male Terminators
Short & 50Ω Match
P/N 6015-1301



N-to-TNC Adapter
P/N 0070-1134



N-to-BNC Adapter
P/N 0070-1190



N-to-SO-239 (UHF) Adapter
P/N 0070-1195

USB Cables	
USB Cable A to A connectors, 6 ft (2 m)	0070-1206
USB Cable A to A connectors, 15 ft (4.6 m)	0070-1207
USB Cable A to female A connectors, 10 ft (3 m)	0070-1210
Serial Cables	
Serial Cable, standard 6 ft (2 m) DB-9 to audio jack	0070-1201
Serial Cable, long 25 ft (7.6 m) DB-9 to audio jack	0070-1215
Test Leads	
TDR Test Lead, 1 ft (.3 m) F connector-to-alligator clips	0070-1220
TDR Test Lead, 1 ft (.3 m) BNC-to-alligator clips	0070-1221
TDR F Test Lead, 3 ft (1 m) F-to-F with quick connector	0070-1230
TDR Telco Test Leads, 4 ft (1.2 m) RJ-45-to-Telco clips	6020-0250
Power Accessories	
AC Adapter/Charger, 100-240VAC 50/60Hz, 12VDC out	5001-0202
DC Vehicle Adapter, 6 ft (2 m) vehicle plug to DC plug	6025-0250
DC Power Extension, 20 ft (6 m) DC-to-DC plugs	0070-1200
Batteries, NiMH high capacity AA cells, set of 8	0010-0218
Certificates of Calibration	
Certificate of Calibration, all instruments except Echo	6000-0402
Certificate of Calibration Level 2, Echo instruments	6000-0410
NOTE: Calibration certificates MUST be ordered with new instruments or the instruments will need to be returned to AEA Technology, Inc. to produce these certificates.	



N-to-SMA Adapter Kit
P/N 6025-0260

Note: Many accessories are included with our instruments. Please refer to our data sheets, web page or contact us for which accessories are included and which are optional.



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