

NOYES® VOA5-MM Variable Fiber Optic Attenuator



The NOYES VOA5-MM from AFL is a hand-held variable optical attenuator suited for a wide range of fiber link certification and production test applications. The VOA5-MM attenuator offers high bi-directional return loss and will maintain the set attenuation level when the unit is powered down.

Input/output ports of the VOA5-MM are equipped with tool-free removable adapters to allow the output connectors to be inspected and cleaned.

The VOA5-MM is powered by two (2) AA alkaline batteries or an AC power adapter. A NiCad rechargeable battery pack is available as an option.

Features

- High speed (0 to 60 dB <3 seconds)
- 2 x AA alkaline, AC power, or optional NiCad battery pack
- Long battery life (>16 hours)
- Hand-held, rugged, lightweight (0.55 kg)
- Cost-effective, easy to use

Applications

- BER testing
- System tolerance to signal attenuation
- New equipment turn-ups
- Lab quality motorized repeatable attenuator

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Specifications ^a

OPTICAL	
Fiber Type	62.5 μm, multimode
Wavelength Range	850 - 1300 nm
Calibrated Wavelengths	850, 1300 nm
Attenuation Range	0 to 30 dB
Insertion Loss (max.)	1.5 dB @ 850 nm 3.0 dB @ 1300 nm
Return Loss (min.)	20 dB
Display Resolution	0.1 dB
Accuracy @+25°C	±0.20 dB typical, ±0.4 dB max (0 dB to 30 dB) ±0.3 dB typical, ±0.6 dB max (30 dB to 60 dB)
Repeatability @+25°C	±0.25 dB ^b
Maximum Input Level	+24 dBm
GENERAL	
Battery Life (2 x AA alkaline)	10 hours
Speed	0 to 30 dB in less than 5 seconds
Power	2 x AA alkaline, AC adapter, or NiMH battery pack (optional)
Size (H x W x D)	18.5 x 11.1 x 4.6 cm (7.3 x 4.4 x 1.8 in)
Weight	0.55 kg (1.22 lb)
Operating Temperature	0 °C to +50 °C
Storage Temperature	-20 °C to +60 °C
Relative Humidity	0 to 90 % (non-condensing)
Available Connectors	SC/UPC, FC/UPC, ST/UPC

Notes:

- a. All specifications valid at 25 °C unless otherwise specified.
- b. Repeatability is defined as the mean plus one standard deviation typical value.

Ordering Information

INCLUDES	AFL NO.
Protective rubber boot, 2 x AA alkaline batteries, 120/ 220 V AC power adapter (specify optical connector and AC power cord type), and carry case.	VOA5-MM

Authorized Channel Partner



NOYES®

United States
Customer Service
1.800.321.5298
1.603.528.7780
www.AFLglobal.com

Europe, Middle East, Africa
Max Penfold
Max.Penfold@AFLglobal.com
+44 1799 542 840
+44 7802 839 160

Middle East
Ahmed El Sakaty
Ahmed.ELsakaty@AFLglobal.com
+20 106 451 523

Africa (Sub Sahara)
Nicholas Cole
Nicholas.Cole@AFLglobal.com
+44 7702 005 590

Greater China
Dai Liu
Dai.Liu@AFLglobal.com
+86 133 1101 4533

Asia-Pacific (non-China)
Saw Biing Huei
Biing.Saw@AFLglobal.com
+65 9791 3398