

# Variable Optical Attenuator

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The FTE-4000 TTI Hand Held Variable Optical Attenuator is available in two models, with 40 dB attenuation level or 80 dB attenuation level to meet single mode testing requirements. Like the rest of the FTE line, the VOA has an on-board help feature. The FTE-4000 has a built in output power monitor that assist in setting appropriate attenuation levels and a sweep mode which can scan the attenuation across desired levels. It is rugged with a splash proof housing with a highly protective boot. The FTE-4000 can assist in the testing of system budget compliance, balancing transmitter power and adjusting receiver attenuation settings.

## Features:

- Up to 80 dB Attenuation
- Built in Output Power Monitor
- Typical Insertion Loss <2dB (40dB Model)
- Remotely Program Sweep Settings
- Adjustable step sizes
- USB PC Interface W/Remote Operation
- Absolute/Relative Attenuation Settings
- Calibrated at 1310/1550
- Sealed Rugged Case
- Lowest Cost Hand Held VOA
- 4" Color Display

## Specifications

ATTENUATION RANGE	FTE-4000-4 2 to 40dB FTE-4000-8 4 to 80dB
WAVELENGTH RANGE	1310, 1550 nm
RESOLUTION	.01 dB
UNCERTAINTY	+/- 0.5 dB
REPEATABILITY	+/- 0.1 dB
INSERTION LOSS	<2 dB (<4dB - FTE-4000-8)
RETURN LOSS	50 dB
MAX INPUT POWER	27 dBm
GRAPHICAL DISPLAY	4 in Color TFT
DIMENSIONS	7.75 x 4.5 x 2.25 inches
WEIGHT	2 lbs
BATTERY	Rechargeable NiMH - 6 hours operating time
POWER	100-240 universal US, GB, EU, AU Mains
ENVIRONMENTAL	Operation -10°C to + 40°C
ACCESSORIES INCLUDED	Universal power supply, FC and SC adaptors, Windows™ Compatible Software, USB Cable and Manual



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