

# Technical Specifications OM120N-I Power Meter

CE

## Description:

The OM120N-I is a general-purpose power suitable for a both premise and outside plant applications. This unit incorporates such features as a enlarged screen for optimal viewing, extended battery life (100+ hours), tone detection (270Hz, 330Hz, 1KHz & 2KHz), dBm\dB\Watts read out and an auto off feature (optional 10 or 30 min). The unit utilizes an InGaAs detector and its calibrated wavelengths include 850/1300/1310/1490/1550 & 1625nm. All wavelengths have a **Set Reference** feature which stores selected wavelengths absolute value to memory.

This unit is ideal for measurement of optical power and optical loss (attenuation) in a fiber optic network. When paired with an OS400N series source the OM120N-I series meters are ideal for single mode (OS430N laser source) or multimode (OS420N LED source) applications.



Unit Specification	
Calibrated Wavelengths	850nm, 1300nm, 1310nm, 1490nm, 1550nm & 1625nm
Measurement Range	~+6dBm to -60dBm
Detector Type	1mm InGaAs
Accuracy (@25°C, -20.0dBm)	±0.25 dB
Measurement Units	dBm (absolute)\Watts\dB (relative)
Resolution	0.1 or 0.01 dB
Controls	5 Soft Buttons
Buttons	On/Off, Backlight, λ, dB-dBm, Zero Reference
Tone Detection	Yes -
Power	1x9V Batteries or AC Power Converter
Low Battery Indicator	Yes → 270Hz, 330Hz, 1KHz & 2KHz <i>note: to -28dBm</i>
Display	Graphical LCD with Backlight
Adaptor Options	ST, SC, FC, 2.5mm Universal & LC (other adapters also available)
Auto-Shutdown	Yes
Protective Rubber Boot	Yes
Testing Reference Guide	Yes
Enclosure Size	Compact Handheld (L-4.94"/W-2.75"/H-1.2")

Temperature Specifications	
Operation Temperature	-10°C to +50°C (45% Hum, non condensing)
Storage Temperature	-20°C to +60°C (75% Hum, non condensing)