

Product Specification

Handheld Instruments

OPTICAL POWER METER & VFL

ATPM32023 serie



Overview

Atrian instruments are designed to provide high resolution and accuracy measurements. Rugged protection keeps connectors and borders safe from damage. LCD display with backlight for better visualizations in dark environments. Soft keypad with water protection. Strap for easy operation or carrying. Light weight and compact ergonomic design.

Key Features

- **Connectors types:** SC, FC and ST, Universal 2.5
- **Fiber optic wavelengths:** 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
- **Test range:** -70 dBm ~ +3 dBm or -50 dBm ~ +26 dBm
- **Resolution:** 0.01 dB

Technical Specifications

Optical Power Meter (OPM) Parameters

Group	Parameters	Value
Temperature Range	Storage Temperature	-25°C ~ +70°C
	Operating Temperature	-10°C ~ +60°C
Mechanical Characteristics	Weight	700g with batteries
	Dimensions	192 x 102 x 50 mm
Battery	Operating Voltage	3.3 VDC ~ 5.5 VDC
	Power Supply	3 x AA Batteries (1.5V)
	Battery Life @ OPM	180 hours
	Battery Life @ VFL	60 hours

Instrument Characteristics	Detector Type	InGaAs
	Optical Connectors	FC/SC/ST/Universal 2.5
	Operating Wavelengths	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
	Test Range	-70 dBm ~ +3 dBm or -50 dBm ~ +26 dBm
	Uncertainty	±0.5 dB
	Resolution (dB)	0.01 dB
	Automatic Shut-Off	After 10 min
Included in Packaging		OPM+VFL, Manual and Carrying Case

Visual Fault Locator (VFL) Parameters

Parameters	Value
Optical Power	1 mW or 10mW
Wavelength	650nm
Optical Connector	FC/SC/ST/Universal 2.5
Type of Optical Fiber	Singlemode (SM)/Multimode (MM)

Ordering Information

Part Number	Test Range
ATPM32023A	-70 dBm ~ +3 dBm
ATPM32023C	-50 dBm ~ +26 dBm

Warranty

ONE year of limited warranty for products sold directly by Atrian Technologies, unless special agreements have been set. Warranty period start from the ship date and will be only valid for the original customer who bought the product. If you have purchased the product from a reseller you must contact him directly. RMA Form and full warranty details are available on our website.