

**RoHS  
Compliant**

## Overview

This product is used to measure absolute optical power or relative loss of optical power through length of fibre optic wires. This product is designed to be durable, the meters can withstand 2m drop and have a dust/water resistance rating of IP65. In addition, other features include backlight display, flashlight, auto power off, wavelength storage/recall, user calibration, and ultra-wide optical power test range.



## Applications

- Cable construction and maintenance
- Optical fibre communication
- Evaluation of optical equipment
- Production, installation, operation and maintenance of fibre optic transmission systems
- Optical engineering, laboratory, production plant or facility maintenance

## Specifications

Measurement Range	: -50dBm to +26dBm
Wavelength Range	: 800nm to 1700nm
Connector	: Universal connector FC/SC/ST (FC as standard, SC and ST adapter as options)
Detector Type	: InGaAs
Uncertainty	: ±5%
Calibrated Wavelength (nm)	: 850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, 1650nm
Display Resolution	: Linear: 0.1%, logarithmic: 0.01dBm
Auto Power Off	: 10 min
Power Supply	: 1.5V AA alkaline battery (3 pcs)
Low Battery Indication	: Low battery indication at about 3.3V, auto power off at about 3V
Battery Operation Time	: ≥60 hour
Drop Height	: 2m
Operating Temperature	: 0°C to 40°C
Storage Temperature	: -10°C to 50°C
Certification	: CE & IP65

## General Characteristics

Product net weight	: 286g
Product size	: 189mm × 87mm × 45mm
Standard accessories	: 1.5V Batteries, English Manual, Dedicated Pouch
Standard Warranty	: 12 Months

## Part Number Table

Description	Part Number
Optical Power Meter, -50dBm to +26dBm	MP700122

**Important Notice** : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.