

## Features

- ✧ RP 420 – 850/1300/1550nm
- ✧ Audible and visual indication of 2kHz presence
- ✧ Compact pocket size
- ✧ Simple push button activation
- ✧ Accepts all connector styles with unique ODM connector interface

## Description

Optical Design Manufacturing Inc. manufactures a range of easy to use optical measurement instruments for quick, simple verification of optical signals in the premise or telecom market. The RP 420 Receive Optical Power Meter provides basic power measurements on fiber optic networks operating at 850nm, 1300nm and 1550nm. This inexpensive test device provides an added level of safety for the technician by alerting to the presence of an active laser or LED. The RP 420 indicates the presence of an incoming signal by the Green/Red LED's on the front panel. In addition to the visual indication the RP 400 provides an audible alert when the incoming signal is modulated 2kHz tone. This incoming tone may be generated by the companion TP 2X0 series Transmit LED or Laser source or any external 2kHz optical source.

Use the RP 420 to check the output at the patch panel or the wall outlet. The RP 420 is also a useful tool for quick power checks on the lab bench or to verify live or dark fibers in the field.

Connection to the fiber under test is made via the universal 2.5 mm or 1.25mm adapter (order separately). Additional male or female connector adapter styles are available. A readily available battery providing over 1000 operations powers the RP 420. A flashing panel LED indicates low battery.



<b>Wavelength Range</b>	800nm to 1600nm	<b>Battery</b>	CR 2, 3V
<b>Tone Identification</b>	2kHz, Audible Alert	<b>Low Battery</b>	LCD enunciator
<b>Detector Type</b>	Germanium	<b>Storage Temperature</b>	- 30° C to + 70° C
<b>Optical Interface</b>	Universal 2.5 mm or 1.25 mm (order separately)	<b>Physical</b>	6.10 (15.5cm) H .940 (2.38cm) W .750 (1.90cm) D
<b>Power Measurement Indication</b>	Green LED + 3dBm to -40 dBm Red LED No power	<b>Weight</b>	3.0 oz (8.5g)
<b>Power On</b>	Push button ON/OFF		

## Ordering Information



Part #	Description
RP 420	Germanium optical continuity meter 850/1310/1550nm, includes battery

**Optional Accessories**  
For combined power meter/ light source test kits call Optical Design Manufacturing Inc.

Part #	Description	Part #	Description
TP 210	850nm LED Source	TP230	1300nm LED Source
TP 220	1310 Laser Source	TP240	1490nm Laser Source
AC 020	2.5 universal connector adapter	TP250	1550nm Laser Source
AC 021	1.25mm universal connector adapter (LC or MU connector)	AC 010	Single instrument soft case