

## APPLICATIONS EXAMPLES

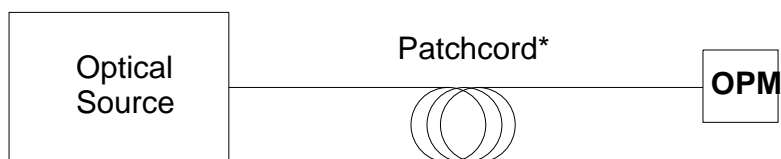
The range of applications for optical power monitors is very broad. The OPM500 series is especially conceived for applications in the manufacturing environment of telecommunications components. Typical applications may be found in measuring:

Components:            lasers, ASEs, fibre coupled LEDs  
                             fibres, connectors, couplers  
                             switches, multiplexers, demultiplexers  
                             isolators, circulators  
                             filters, fibre bragg gratings (FBGs)  
                             amplifiers

Parameters:            output power  
                             optical return loss (ORL)  
                             insertion loss  
                             polarization dependant loss (PDL)  
                             bandwidth  
                             crosstalk  
                             transient behaviour  
                             polarization dependant bandwidth (PDBW)

In the following, some of these applications are represented schematically to give an idea of how a typical measurement setup may be configured. If you have any questions, please give us a call and use our expertise in optical metrology.

### OPTICAL SOURCE CHARACTERISATION: OUTPUT POWER



#### Important parameters:

Accuracy  
Reproducibility

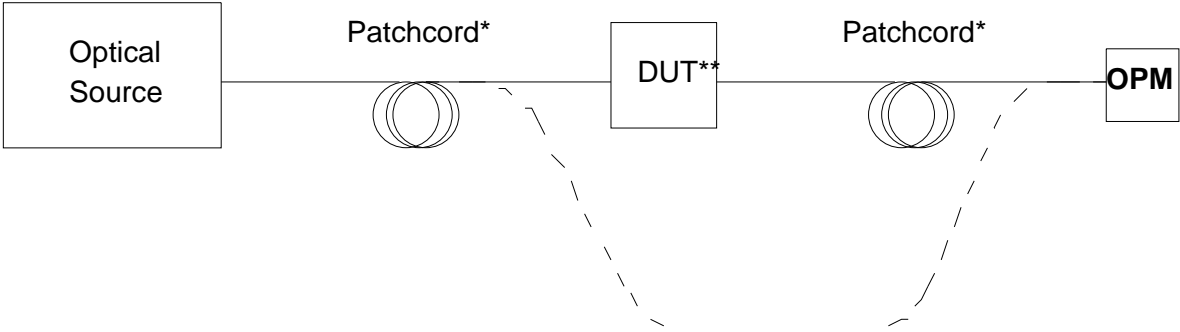
#### OPM Specifications:

+/- 5%  
+/- 0.5%

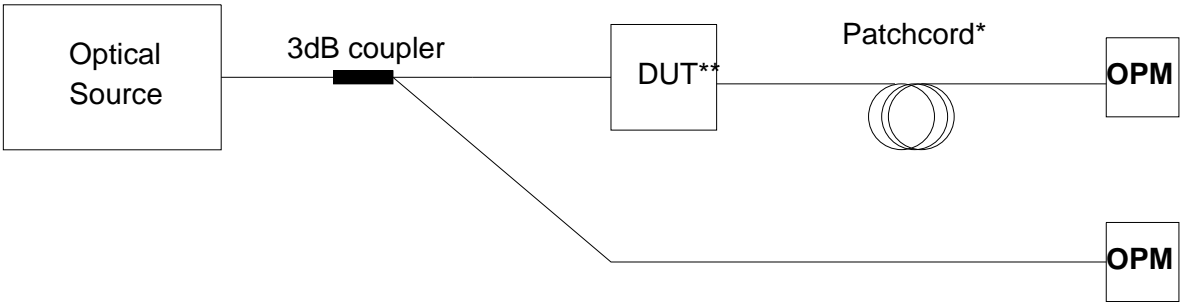
\* High quality reference cable with documented loss data

**INSERTION LOSS**

**Method 1:**



**Method 2:**



Important parameters:

Accuracy  
Reproducibility

OPM Specifications:

+/- 5%  
+/- 0.5%

\* High quality reference cable with documented loss data  
\*\* Device Under Test