

# Tempo SMMMKIT-M MSO Optical Power Meter & Stabilised Light Source Kit

Product Images

Product Code: C00-4137



## Short Description

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Tempo SMMMKit-M MSO Optical Power Meter & Stabilised Light Source Kit comprising OPM520 Optical Power Meter, SLS520 Dual Wavelength Laser Source 1310/1550 & SLS525 Dual Wavelength LED Source 850/1300.

### **OPM520 Optical Power Meter**

Durable and compact, the OPM520 interfaces with all industry standard connectors.

#### **Features**

- InGaAs detector for maximum sensitivity
- Filtered InGaAs for measuring high powered optical signals
- Singlemode and multimode measurements
- Calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm
- 270Hz, 1kHz and 2kHz tone
- Each optical power meter is supplied with one SC/PC adapter.

#### **Specifications**

Cal. Wavelength 850, 1300, 1310, 1490, 1550, 1625nm

Measure range -50 ~ +27 dBm

Detector type InGaAs

Accuracy  $\pm 0.25$  dB( $\pm 0.5$ dB@850nm)

Linearity  $\pm 0.5$ dB +27 to -3dBm  $\pm 0.1$ dB -3 to -50dBm

Resolution 0.01dB

Functions  $\mu$ W/dBm/dB(REF) / MOD tone detection 270Hz, 1kHz, 2kHz

Connector Type SC (Interchangeable LC, ST, FC)

Fiber Type Singlemode & Multimode

Battery Life > 100 Hours

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature -10°C ~ 50°C

Storage Temperature -20°C ~70°C

Relative Humidity 0 to 95% (Non-Condensing)

Weight 0.68lbs (300g)

Dimensions (H × W × T) 6.1 × 3.5 × 1.3" (155 × 88 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude+0.15mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC

### **SLS520 Dual Wavelength Laser Source 1310/1550**

Durable and compact, the SLS520 Stabilised Light Source will interface with all industry standard connectors.

#### **Features**

- 270Hz, 1kHz and 2kHz tone
- PC flat polish interface
- Each source is supplied with one SC/PC adapter for each bulkhead.

#### **Specifications**

Centre Wavelength 1310/1550nm

Fiber Type Singlemode

Emitter Type FP

Spectrum Width  $\leq$  5nm

Output Power (Max/Min)  $\leq$  0dBm/-1dBm

Output Power Stability  $\pm$ 0.05 dB/15min;  $\pm$ 0.10dB/8hr

Modulation Frequency 270, 1kHz, 2kHz

Display LCD

Battery Life 60 Hours

Connector Type SC/PC (Interchangeable LC ,ST, FC)

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature -10°C to 50°C

Storage Temperature -20°C to 70°C

Relative Humidity 0 to 95% (non-condensing)

Weight 0.71 lbs (300g)

Dimensions (H×W×T) 6.1 × 3.5 × 1.3" (155 × 89 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude = 0.15mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC, 21 CFR 1040.10 (Laser)

### **SLS525 Dual Wavelength LED Source 850/1300**

Durable and compact, the SLS525 Stabilised Light Source will interface with all industry standard connectors.

#### **Features**

- 270Hz, 1kHz and 2kHz tone
- PC flat polish interface
- Each source is supplied with one SC/PC adapter for each bulkhead.

#### **Specifications**

Centre Wavelength 850/1300nm

Fibre Type Multimode (62.5/125)

Emitter Type LED

Spectrum Width ≤ 71nm (850nm), ≤ 160nm (1300nm)

Output Power (Max/Min) -20dBm/-21dBm

Output Power Stability ±0.05 dB/15min±0.15dB/8hr

Modulation Frequency 270, 1kHz, 2kHz

Display LCD

Battery Life 60 Hours

Connector Type SC/PC (Interchangeable LC ,ST, FC)

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature -10°C to 50°C

Storage Temperature -20°C to 70°C

Relative Humidity 0 to 95% (non-condensing)

Weight 0.71 lbs (300g)

Dimensions (H×W×T) 6.1 × 3.5 × 1.3" (155 × 89 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude = 0.15mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC, 21 CFR 1040.10 (Laser)

## Description

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Tempo SMMMKit-M MSO Optical Power Meter & Stabilised Light Source Kit comprising OPM520 Optical Power Meter, SLS520 Dual Wavelength Laser Source 1310/1550 & SLS525 Dual Wavelength LED Source 850/1300.

### **OPM520 Optical Power Meter**

Durable and compact, the OPM520 interfaces with all industry standard connectors.

#### **Features**

- InGaAs detector for maximum sensitivity
- Filtered InGaAs for measuring high powered optical signals
- Singlemode and multimode measurements
- Calibrated wavelengths of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm
- 270Hz, 1kHz and 2kHz tone
- Each optical power meter is supplied with one SC/PC adapter.

## Specifications

Cal. Wavelength 850, 1300, 1310, 1490, 1550, 1625nm

Measure range -50 ~ +27 dBm

Detector type InGaAs

Accuracy  $\pm 0.25$  dB( $\pm 0.5$ dB@850nm)

Linearity  $\pm 0.5$ dB +27 to -3dBm  $\pm 0.1$ dB -3 to -50dBm

Resolution 0.01dB

Functions  $\mu$ W/dBm/dB(REF) / MOD tone detection 270Hz, 1kHz, 2kHz

Connector Type SC (Interchangeable LC, ST, FC)

Fiber Type Singlemode & Multimode

Battery Life > 100 Hours

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature -10°C ~ 50°C

Storage Temperature -20°C ~70°C

Relative Humidity 0 to 95% (Non-Condensing)

Weight 0.68lbs (300g)

Dimensions (H × W × T) 6.1 × 3.5 × 1.3" (155 × 88 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude  $\pm 0.15$ mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC

## SLS520 Dual Wavelength Laser Source 1310/1550

Durable and compact, the SLS520 Stabilised Light Source will interface with all industry standard connectors.

## Features

- 270Hz, 1kHz and 2kHz tone

- PC flat polish interface
- Each source is supplied with one SC/PC adapter for each bulkhead.

## Specifications

Centre Wavelength 1310/1550nm

Fiber Type Singlemode

Emitter Type FP

Spectrum Width  $\leq 5$ nm

Output Power (Max/Min)  $\leq 0$ dBm/-1dBm

Output Power Stability  $\pm 0.05$  dB/15min;  $\pm 0.10$ dB/8hr

Modulation Frequency 270, 1kHz, 2kHz

Display LCD

Battery Life 60 Hours

Connector Type SC/PC (Interchangeable LC ,ST, FC)

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature -10°C to 50°C

Storage Temperature -20°C to 70°C

Relative Humidity 0 to 95% (non-condensing)

Weight 0.71 lbs (300g)

Dimensions (H×W×T) 6.1 × 3.5 × 1.3" (155 × 89 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude = 0.15mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC, 21 CFR 1040.10 (Laser)

## SLS525 Dual Wavelength LED Source 850/1300

Durable and compact, the SLS525 Stabilised Light Source will interface with all industry standard connectors.

## Features

- 270Hz, 1kHz and 2kHz tone
- PC flat polish interface
- Each source is supplied with one SC/PC adapter for each bulkhead.

## **Specifications**

Centre Wavelength 850/1300nm

Fibre Type Multimode (62.5/125)

Emitter Type LED

Spectrum Width  $\leq 71\text{nm}$  (850nm),  $\leq 160\text{nm}$  (1300nm)

Output Power (Max/Min) -20dBm/-21dBm

Output Power Stability  $\pm 0.05\text{ dB}/15\text{min}$   $\pm 0.15\text{ dB}/8\text{hr}$

Modulation Frequency 270, 1kHz, 2kHz

Display LCD

Battery Life 60 Hours

Connector Type SC/PC (Interchangeable LC ,ST, FC)

Power Supply 9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter

Operating Temperature  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$

Storage Temperature  $-20^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

Relative Humidity 0 to 95% (non-condensing)

Weight 0.71 lbs (300g)

Dimensions (H×W×T) 6.1 × 3.5 × 1.3" (155 × 89 × 33mm)

IP Rating IP54

Vibration 5Hz to 150Hz, Amplitude = 0.15mm

Shock Peak acceleration 25g at a pulse duration of 6ms

Compliance CE, FCC, 21 CFR 1040.10 (Laser)