OLYMPUS®

Olympus is about life. About photographic innovations that capture precious moments of life. About advanced medical technology that saves lives. About information- and industry-related products that make possible a better living. About adding to the richness and quality of life for everyone. Olympus. Quality products with a FOCUS ON LIFE.

AUTOMATIC PHOTOMICROGRAPHY SYSTEM
PM10SP
The PM10SP — Outstanding Performance, Compact Design, Simple Operation And The Best Cost-effectiveness in Its Class.

A full range of top level functions

- This latest model in the PM series is designed to perform all the tasks required for routine brightfield observation, both in biology applications and general industrial photography. Remarkably economical in price, it offers a full range of highly functional mechanisms which meet the needs of today’s most demanding professional users.
- Among the PM10SP’s select functions are 1% spot measurement, 3 zones of reciprocity failure adjustment, Auto/Manual/Time measurement modes and AE locking. 35mm operation features a MULTI.EXP. mode to accommodate multi-exposure photography.

Life size

Multi exposure indicator
Exposure time
Reciprocity failure compensation display
Frame number
ISO film speed
Exposure adjustment indicator
Mode selector button
Automatic exposure lock/release button
1%, 30% metered area selection
Exposure activation lamp
Exposure button
Selector buttons
Simple operation based on easy-to-read LCD display
- The control box features a minimum of buttons to ensure simple, straightforward operation. Settings are clearly shown on the LCD display and changed by simply pushing the buttons. 35mm/large-format camera selection is performed automatically.
- Photography conditions are easy to confirm even in the dark, thanks to the clear graphical display of shutter speed, measuring area, film number, camera format, exposure compensation and compensation for reciprocity failure.

Extend your capabilities with PM series accessories
- Compatibility with large-format and Polaroid camera operation as well as 35mm SLR. For 35mm film, DX code sensing is automatic, to ensure correct ISO setting every time. 35mm film loading/winding/rewinding are all automatic, to prevent setting and operating errors.
- Extra editing convenience: data imprinting units are available for 35mm and Polaroid 3 1/4 x 4 1/4 cameras.
- Foot switch available for foot-operated shutter release.
- A variety of adapters for different kinds of microscopes and a wide range of magnification photo eyepieces are also available.

Convenient palm-sized control box saves desk space
The palm-sized control box saves desk space, and enables setting adjustments to be made without unnecessary hand movements. The ability to confirm operating conditions without looking up lets the user work more efficiently.

100% light Path.
1% spot measuring to accommodate specimens for fluorescence observation
- The PM10SP employs Olympus-developed original IC measuring. Highly precise exposure control is possible through 30% average measuring (suitable for brightfield observation) and 1% spot measuring for both scattered specimens in darkfield observation and observation of bright fluorescence specimens.
- The 100% light path with built-in memory allows 100% of the light to reach the film. Accurate metering of 50% of the light intensity allows 50% of the light to be diverted to the viewer for easy framing, even for dark specimens. The anti-vibration shutter mechanism combined with direct 100% exposure capability (performed by pushing the mirror aside with a cam) ensures clear, sharp pictures even at high shutter speeds.
### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photometrical modes</td>
<td>Auto mode/Manual mode/Time mode</td>
</tr>
<tr>
<td>Light distribution</td>
<td>Measuring Viewer: 50% Meter: 50% Exposure Camera: 100%</td>
</tr>
<tr>
<td>Photocell</td>
<td>Split type (1% and 30%) silicon-photodiode (Olympus developed)</td>
</tr>
<tr>
<td>Measured area</td>
<td>1% spot / 30% average</td>
</tr>
<tr>
<td>Auto exposure adjustment range</td>
<td>1/125 sec.-21.2 min. (35mm camera, ISO100, reciprocity failure adjustment: standard[4])</td>
</tr>
<tr>
<td>ISO Setting range</td>
<td>3-25,600(exposure compensation 1.00), increment of 1/3, Automatic ISO setting via DX code (manual setting is also possible)</td>
</tr>
<tr>
<td>Exposure adjustment range</td>
<td>0.25-4.00(±2EV)</td>
</tr>
<tr>
<td>Reciprocity failure correction</td>
<td>3-step adjustments</td>
</tr>
<tr>
<td>Manual exposure time setting</td>
<td>1/100 sec.-40 min. (52 steps), Time mode setting</td>
</tr>
<tr>
<td>Display</td>
<td>LCD display (with adjustable backlight function), LED display for exposure warning and working conditions.</td>
</tr>
<tr>
<td>Acceptable cameras</td>
<td>35mm camera (automatic film advance and rewinding), large-format camera (4&quot; X 4&quot;), Polaroid camera (3 1/4&quot; X 3 1/4&quot;)</td>
</tr>
<tr>
<td>Others</td>
<td>AE-lock and Multi exposure</td>
</tr>
<tr>
<td></td>
<td>Reset function for frame count numbers (Large-format camera)</td>
</tr>
<tr>
<td></td>
<td>With terminal for release from outside</td>
</tr>
<tr>
<td>Power consumption</td>
<td>15VAC (with AC adapter)</td>
</tr>
</tbody>
</table>

### Dimensions

**Automatic Exposure Body**

**Control Box**

**AC adapter**

Specifications are subject to change without any obligation on the part of the manufacturer.

Olympus business areas

Olympus Optical Co., Ltd.

Olympus Optical Co., EU, GMBH.

Olympus America Inc.

Olympus Singapore Pte. Ltd.

Olympus Australia Pty. Ltd.

Printed in Japan M1631E-0988B