

**SMZ 0745 Series**

ZOOM STEREO MICROSCOPE



The Model SMZ 0745 series offer outstanding optics to ensure a sharp and high contrast image at a very low price. The working distance is 100mm. The standard magnification is 7x to 45x (zoom ratio 6.4:1), and total range of magnification is 3.5x to 180x with optional lenses. Focusing by means of a rack and pinion controlled by a pair of knobs located on the stand. Pillar stand, 25 mm diameter and 22 cm high. Wide die-cast aluminum base designed to support the wrists when the instrument is in use. Size 29x23x7h cm. Fitted with a pair of specimen clamps. Adjustable illuminator for incident light fitted with a 5WLED bulb with dichroic mirror. Illuminator for transmitted light fitted with a 5WLED bulb. Light intensity adjustment, done using a pair of rheostats located at the side of the base, is provided for both lighting units separately.

**MAGNIFICATION TABLE**

| Eyepiece | Standard specification |            | Auxiliary objective 0.5X |            | Auxiliary objective 1.5X |            | Auxiliary objective 2X |            |
|----------|------------------------|------------|--------------------------|------------|--------------------------|------------|------------------------|------------|
|          | Working distance 100mm |            | Working distance 165mm   |            | Working distance 45mm    |            | Working distance 30mm  |            |
|          | Magnification          | View field | Magnification            | View field | Magnification            | View field | Magnification          | View field |
| 10X/20mm | 7.0X                   | 28.6mm     | 3.5X                     | 57.1mm     | 10.5X                    | 19mm       | 14X                    | 14.3mm     |
|          | 45.0X                  | 4.4mm      | 22.5X                    | 8.9mm      | 67.5X                    | 3mm        | 90X                    | 2.2mm      |
| 15X/15mm | 10.5X                  | 21.1mm     | 5.25X                    | 42.8mm     | 15.75X                   | 14.3mm     | 21X                    | 10.7mm     |
|          | 67.5X                  | 3.3mm      | 33.75X                   | 6.7mm      | 101.25X                  | 2.2mm      | 135X                   | 1.7mm      |
| 20X/10mm | 14.0X                  | 14.3mm     | 7.0X                     | 28.6mm     | 21.0X                    | 9.5mm      | 28X                    | 7.1mm      |
|          | 90.0X                  | 2.2mm      | 45.0X                    | 4.4mm      | 135.0X                   | 1.5mm      | 180X                   | 1.1mm      |

### SUMMARY TABLE

| MODEL          | HEAD       | EYEPIECE | OBJECTIVE | STAND  | ILLUMINATOR                  |
|----------------|------------|----------|-----------|--------|------------------------------|
| SMZ0745B-2L.   | Binocular  | WF10x/20 | 0.7X-4.5X | SZ 2L  | Incident and transmit 5W LED |
| SMZ0745T-2L.   | Trinocular | WF10x/20 | 0.7X-4.5X | SZ 2L  | Incident and transmit 5WLED  |
| SMZ0745B-P     | Binocular  | WF10x/20 | 0.7X-4.5X | P      | -----                        |
| SMZ0745T-P     | Trinocular | WF10x/20 | 0.7X-4.5X | P      | -----                        |
| SMZ0745B-UnivA | Binocular  | WF10x/20 | 0.7X-4.5X | Univ-A | -----                        |
| SMZ0745T-UnivA | Trinocular | WF10x/20 | 0.7X-4.5X | Univ-A | -----                        |
| SMZ0745B-UnivB | Binocular  | WF10x/20 | 0.7X-4.5X | Univ-B | -----                        |
| SMZ0745T-UnivB | Trinocular | WF10x/20 | 0.7X-4.5X | Univ-B | -----                        |

### STAND FOR SZM45



SZ 2L

STAND SIZE: 29X23CM



P-type

STAND SIZE: 32X26CM



Univ A



Univ B

#### Optional accessories:

Eyeiece WF10x (Φ20mm) WF15x (Φ15mm), WF20x (Φ10mm)

Auxiliary objective 0.5x 1.5x, 2x

Video Attachment

Photo Attachment

Darkfield stage,

Gemclamp

Ring fluorescent lighting 8W & 10W

Fiber optical illumination

Extra long stand



Darkfield & Gem Clamp



Auxiliary objective



Video & Photo Attachment