

Collimation Systems



PRECISION COLLIMATION TECHNOLOGY

HORIZON Collimation & Alignment Systems

Besides providing quality instruments and accessories, HORIZON also offers precise collimator and alignment systems for vendors which are serious about the instruments they sell.

HORIZON offers a full range of Optical Collimators in single or multi-tube set ups, and a Laser Collimator for checking and adjustment of laser instruments.

Our complete range includes instrument stands and a Tribrach adjustment devices which is available on demand.

To ensure the highest precision standards, all HORIZON's Collimation and Alignment Systems undergo strict quality control before being shipped out to our customers.



Optical Collimator Model 60
HZ WSOCM60



3 Tube Collimator Model 80
HZ WS03TC



Dual Tube Collimator Model 70
HZ WS02TC

| Collimator Specifications | Optical Collimator Model 60 | Dual Tube Collimator Model 70 | 3 Tube Collimator Model 80 |
|--|-----------------------------|-------------------------------|----------------------------|
| Focal Length | F = 550mm | F = 420mm | F = 420mm |
| Relative Aperture of Objective | D/f = 1/10 | | |
| Reticule for Checking Shortest Focusing Distance for Horizontal Tube | 2m | | |
| Angle between two Collimators | 30° ± 15' | | |
| Reticule Graduation | 30" / Graduation | 20" / Graduation | 20" / Graduation |
| Reticule Graduation Range | | | |
| Horizontal | ± 30' | ± 20' | ± 20' |
| Vertical | ± 30' | ± 20' | ± 20' |
| Size of Centering Screw for securing of instruments into test position | 5/8" | | |
| Sensitivity of Levelling Bubble | 20" | 10" | 10" |
| Step Down Transformer | 220V to 6V | | |
| Voltage of light bulb for Reticule Illumination | 6V | 5V | 5V |
| Current of light bulb | 0.3A | | |
| Physical Dimension (L x W x H) cm | 94 x 30.4 x 58.5 | 75 x 40 x 70 | 75 x 40 x 85 |
| Weight | 85kg | 90kg | 110kg |

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Laser Collimators

This device is used for the Collimation and Adjustment of Laser Instruments like Multi-line Lasers, Rotating Lasers plus others.

| Collimator Specifications | Laser Collimator | Collimator 550 |
|--|------------------|------------------|
| Focal Length | F = 550mm | |
| Relative Aperture of Objective | D/f = 1/10 | |
| Reticule for Checking Shortest Focusing Distance for Horizontal Tube | ∞ | - |
| Reticule Graduation | - | 20" / Graduation |
| Sensitivity of Levelling Bubble | 8" | - |
| Step Down Transformer | 220V to 6V | 220V to 6V |
| Voltage of light bulb for Reticule Illumination | 6V | |
| Current of Light Bulb | 0.3A | |
| Physical Dimension (L x W x H) cm | 68 x 20 x 24 | 70 x 17 x 12 |
| Weight | 14kg | 7.5kg |

Features of Instrument Stand

- Weight : >100kg
- Adjustable height
- Screw type base mounting
- Standard 5/8" thread connection to instrument
- Illuminated Crosshairs



Collimator for adjustments & calibration of Laser instruments
HZ WSLC01



Collimator 550
HZ WSCM550



Tribach Optical Plummet Alignment Tool
HZ WSTB01



Instrument Stand with adjustable height and Illuminated Crosshair
HZ WSBW1