



## D-626 Optical Level

- Self-checking qualities prove instrument is truly level
- Parallel reflective surfaces self-align to the gravitational pull of the earth
- Provided with 3 point adjustable leveling trivet for uneven surfaces



The Model D-626 Optical Level has been designed as an aid to adjust the optical line of sight from an autocollimator until it is precisely level.

The level has a plane parallel mirror firmly fixed to a pendulum suspended in the housing. To prevent continual swing of the pendulum and dampen vibration, an oil pool system is incorporated allowing the mirror to settle within a period of 2 arc minutes. Repeat readings from an autocollimator can be acquired from one surface of the mirror to the other within 1 arc second, thus proving the mirror surface is aligned parallel to the local gravitational pull of the earth.

Provisions are made for preserving the delicate pivot points during periods of storage.

### Specifications:

<b>Accuracy:</b>		1 arc sec
<b>Overall Dimensions: (Dia. x H)</b>		4 x 7.8 inch (102 x 198 mm)
<b>Height Surface to Center of Mirror:</b>		6.7 inch (170 mm)
<b>Mirror: (L x W x H)</b>		1.5 x 1.5 x 0.5 inch (38 x 38 x 13 mm)
<b>Mirror</b>	<b>Material:</b>	Pyrex, Aluminized and over-coated
	<b>Flatness:</b>	$\lambda/10$
	<b>Parallelism:</b>	1 arc sec
<b>Knife Edges and Pads:</b>		Tungsten Carbide
<b>Finish:</b>		Ivory enamel
<b>Carrying Case:</b>		Hardwood
<b>Weight:</b>		8 lbs (3.6 kg)
<b>Shipping Weight:</b>		16 lbs (7.3 kg)