

Sample Loading Gauge

The Logitech Sample Loading Gauge provides the operator with an accurate means to measure the load exerted by a jig on a sample of up to 4" (102mm) in diameter. From this automatic reading, the operator can precisely set the required sample load at the optimal level for effective lapping

Operation

The Sample Loading Gauge calculates in increments of 2 grammes, recording accurate measurements of sample load up to 5 kg. It is designed to be used in conjunction with the complete range of Logitech PP5 and PP6 Precision Lapping & Polishing Jigs (please refer to the Logitech precision jigs brochure).

Once a sample has been affixed to the appropriate jig, the drive-ring of the PP5 or PP6 is placed on the three small "stepped" anvils located on the top plate of the instrument. If a sample is affixed to a PP5 jig, the lower of the two anvil "steps" ensures that the sample is correctly aligned over the measuring device located in the centre of the top plate. The higher anvil "step" is designed for samples requiring the larger PP6 jig. In addition, a circular disc placed over the measuring weight located in the centre of the top plate, ensures that the sample is correctly aligned when affixed to a PP6.

A reading of sample load is then automatically registered on the visual display. If required, the operator can finely turn the adjustment nut on the PP5 or PP6 jig to ensure that the sample load is neither too heavy nor too light.

Applications

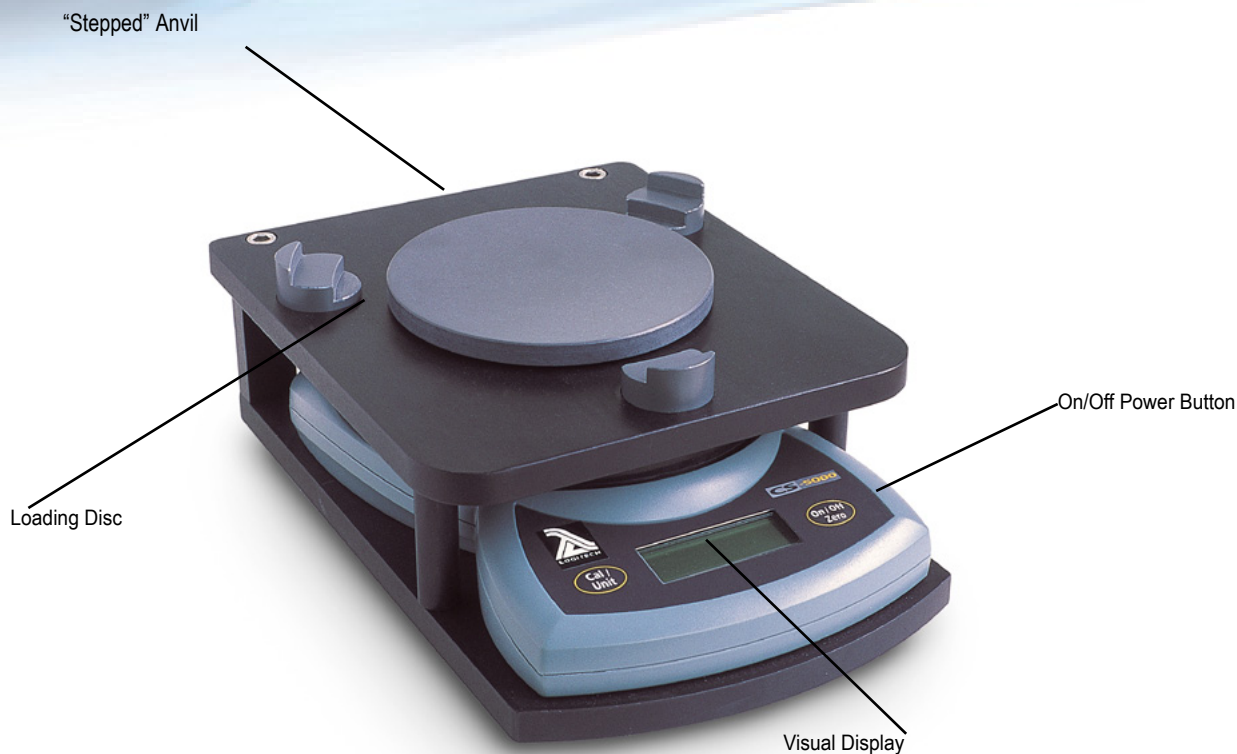
The Sample Loading Gauge can accurately measure the sample load of diverse material types. These include samples used for semiconductor, opto-electronic and laser applications. The adaptability of the equipment gives the operator the flexibility to set very light loads of between 100g and 200g. This is of particular benefit to laboratories needing to determine the optimal polishing parameters of KDP or other very fragile non-linear optical crystals.



- *Precise measurement of sample load*
- *Elimination of need for manual calculation*
- *Highest standards of process repeatability*
- *Flexibility to accept sample loads of up to 5kg*
- *Compatible with Logitech PP5 and PP6 jigs*



Fine adjustment of the PP6 jig is easy using the Sample Loading Gauge.



Technical Specifications

Construction:	Aluminium top and base plates
Length:	155mm
Height:	85mm
Depth:	218mm
Weight:	2.02kg
Power supply:	Adaptor or three AA batteries
Maximum load:	5kg

Accessories, Components & Consumables

A comprehensive range of accessories, components and consumables are available to support these systems, enabling optimum results and longevity of the machines. A selection of supporting products can be found below. For a more comprehensive listing or to order consumables online please go to www.logitech.uk.com

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