

SAMPLE

LOADING

GAUGE



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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.

The Sample Loading Gauge calculates in increments of 2g, recording accurate measurements of sample load up to 10kg. It is designed to be used in conjunction with the complete range of Logitech PP5 and PP6 Precision Lapping & Polishing Jigs.

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.



KEY FEATURES & FUNCTIONALITY

OPERATION:

→ Once the sample has been affixed to the appropriate jig, the drive-ring of the PP5 or PP6 is placed on the gauge - a reading of the sample is then automatically registered on the visual display. If required, the operator can finely turn the adjustment nut on the 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 including semiconductor, opto-electronic and laser materials.
- 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.

BENEFITS:

- The Sample Loading Gauge allows for precise measurement of the load exerted by a jig on a sample of up to 4"/100mm in diameter. From this automatic reading, the operator can precisely set the required sample load at the optimal level for effective lapping.
- The use of the gauge allows for elimination of the need to manually calculate whilst allowing for high standard of process repeatability.
- The gauge can accurately measure sample loads up to 10kg.
- Compatible with PP5 and PP6 Logitech Precision Jigs.

Image 1: Sample Loading Gauge with PP5 Jig

Image 2: Sample Loading Gauge with drive ring from jig

Image 3: Sample gauge with no jig or drive ring

TECHNICAL SPECIFICATIONS

Construction	Aluminium top and base plates
Length:	270mm
Height:	125mm
Depth:	280mm
Weight:	4.01kg
Power Supply:	Adaptor or 4xC Batteries
Maximum Load:	10kg