



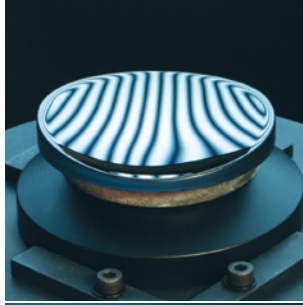
PMD 100-T

Total surface control

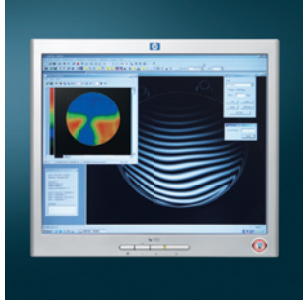


Fascination for Innovation

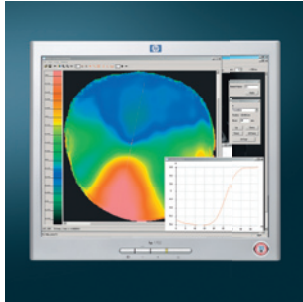
The various fringe patterns reveal virtually every detail of the surface.



With user-friendly Windows software, numerous analysis steps can be carried out manually or automatically.



Lens surface plots allow an exact comparison with the lens design.



PMD 100-T

For reliable quality control of lens production, the total surface measurements become a key element. The PMD 100-T measuring device addresses these requirements with precision, speed, robustness, and many analysis options.

Based on the principle of phase measurement deflectometry, the PMD 100-T unit enables the measurement of the global and local lens surface topography and geometry with excellent resolution. By using a compact high-end TFT screen as a pattern generator, the instrument fits in a table-top frame for convenient use in any lab.

The PMD 100-T is perfect for quality control of toric and progressive lenses as well as for the evaluation of the most advanced freeform surfaces.

Benefits

- Measurement of front or back surfaces
- Direct measurement of optical power and deviations
- Simple quality judgment by nominal/actual value comparison
- Monitoring of lens cosmetics and cleanliness
- Measuring of blocked and unblocked lenses
- Robust table-top design without moving parts
- Very short measuring time

In cooperation with



3dshape



technical data

materials	no restrictions
surface	polished
working area	80 x 80 mm
working range	concave $r = -40 \dots \infty$ convex $r = 40 \dots \infty$
mean repetition accuracy	0.0016 dpt
measurement time	< 10 s
power requirement	0.5 kW max.
weight machine	60 kg (132 lb.)
dimensions machine (w x d x h)	556 x 540 x 803 mm (22 x 21 x 32 inch)

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