

DT 140

DIAMETER MEASURING SYSTEM

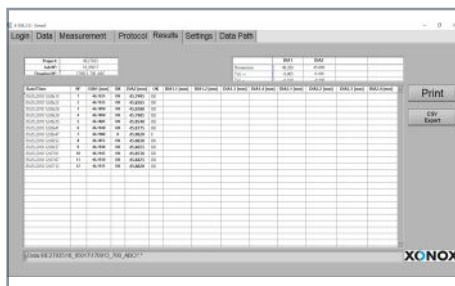


- _ highly precise and easy to use system for measuring the diameters, roundness and cone on optical elements in both, production and quality inspection environments
- _ designed for long term reliability and cost effective operation
- _ measurements of secondary diameters, and roundness are supported in addition to the primary diameter
- _ lenses automatically centered with an innovative precision 3-jaw chuck system
- _ direct measurement of diameter achieved through automatic, pneumatic actuation of probes that touch the edge of the workpiece
- _ probe contact height is adjustable to be compatible with steps and other edge features
- _ optimized for safe, fast and easy setup and loading of workpiece
- _ many times proven, absolutely risk- / damage free measurement of even very thin, knife edge and sensitive components
- _ large measurement range from below Ø8mm up to Ø140mm
- _ foot switch for easy and efficient measurements of series
- _ equipped with software and controller package, "X-dt" offering additional measurement modes, automatic documentation creation, and data logging of measurement results

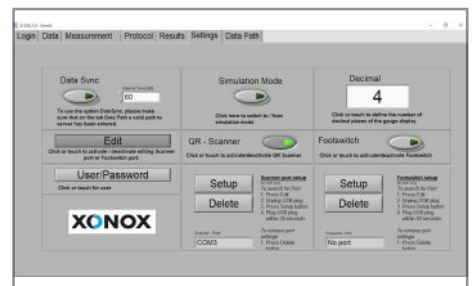
SOFTWARE + CONTROLLER PACKAGE X-dt



- easy and touch screen optimized dialogue user interface
- automatic counting / numbering of lenses
- green (in spec) or red (out of spec) display of measurements
- data input manually or via QR code reader



- automatic documentation of all measurements
- listing of DIA1, DIA2 and Roundness
- automatic marking IN/OUT of spec for all dimensions
- extensive data export functions + X-metroLINK compatible



- intelligent and easy-to-use setup for administrative functions and user handling
- quick setup for auxilliary equipment such as QR reader, footswitch etc.
- easy network integration and path settings for documentation

WORKING RANGE	50 mm travel of measuring gauges on different adjustable positions		
DIAMETER RANGE	Ø8 - Ø140 mm		
MEASURING SYSTEM	digital precision measuring gauge with 0.5µ resolution		
MEASURING ACCURACY	Resolution: 0.0005 mm	Accuracy: \leq 0.002 mm	Repeatability: 0.001 mm
DIMENSIONS (WxDxH) / WEIGHT	650 x 300 x 350 mm (additional space required for X-dia PC) / approx. 30kg		
CONNECTIONS	110-240 V / 50-60 Hz, compressed air: 6 bar		
COLOR	Light grey RAL 7035		

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