



Electronic Readout/Measurement Systems

Each of the readout systems described below can be used with any of the Starrett-Sigma Optical Measuring Projectors. Each system provides a distinct level of measurement capabilities for the best value solution to your requirements.

Linear Measurement Systems

SR100 (UK) (Not shown)

An easy to use low cost 2-axis digital readout

- ◆ Resolution 0.002 mm/0.0001"
- ◆ Inch/metric conversion
- ◆ Linear error compensation
- ◆ Zero reset
- ◆ RS-232C interface port

Quadra-Chek 1000 (USA) SR110 (UK)

A 2-axis digital readout system for basic metrology applications

- ◆ Resolution 0.001 mm/0.00005"
- ◆ Inch/metric conversion
- ◆ Incremental or absolute measurement
- ◆ Zero reset
- ◆ Linear error compensation
- ◆ RS232C interface port

Quadra-Chek 2000 (USA) SR200 (UK)

An advanced 2-axis digital readout system very versatile and powerful to rapidly perform many challenging geometric measurements and constructions

- ◆ Resolution 0.001 mm/0.00005"
- ◆ All the features of the QC1000
- ◆ Skew function for rapid part alignment correction
- ◆ Single key calculation for angles, radius/diameter, distances etc.
- ◆ Displayed in either polar or cartesian coordinates
- ◆ Over 100 point feature memory

Quadra-Chek 2005 (USA) SR205 (UK)

Same as QC2000 plus automatic edge sensing

Quadra-Chek 3200 (USA) SR305 (UK)

A highly advanced 2-axis microprocessor-based VDU display and processing system, with an expanded memory in order to handle complex geometric functions and constructions. Provides extensive part programming capability and tolerancing routine. Memory capacity 400 feature store and 20,000 program steps. Despite its



UK: SR110
USA: QC1000



UK: SR200/SR205
USA: QC2000/QC2005



UK: SR305/SR305/CNC
USA: QC3200/QC3205



UK: SR405/SR405CNC
USA: QC4200/QC4205

power and sophistication, it is easy to operate, with easily understood icons and on-screen help menu.

- ◆ RS-232C interface port
- ◆ SPC package available

Quadra-Chek 3205 (USA) SR305CNC (UK)

Same as the QC3200 with edge sensing CNC facilities.

Quadra-Chek 4200 (USA) SR405 (UK)

A very powerful PC-based program/measurement package. Windows-based display system that thinks with you to simplify, accelerate and enhance the operation.

- ◆ IBM compatible
- ◆ Either mouse or tracker ball driven with simple pull-down menus
- ◆ No feature keys to memories
- ◆ Graphic representation of a part or part segment drawn as you measure
- ◆ Self-programming for repeat measurements
- ◆ Zoom in/zoom out on targeted part segments
- ◆ Color coded pass/fail (with audio alert)
- ◆ Instantly shows out-of-spec components
- ◆ Inch/metric conversion

- ◆ Full part programming
- ◆ Form indication (roundness etc.)
- ◆ Linear error correction
- ◆ Unlimited feature storage
- ◆ Axis presets and feature creation
- ◆ Up to 100 points allowed on each feature
- ◆ Polar/cartesian coordinates
- ◆ CAD interface
- ◆ Data export
- ◆ SPC package available

Quadra-Chek 4205 (USA) SR405CNC (UK)

Same as above, plus automatic edge detection and full CNC facilities.

Angular Measurement System

Electronic protractor (not shown)

Standard fitting on all projectors

- ◆ Angular measurement in degrees and minutes or decimal
- ◆ Resolution to 1 minute of arc
- ◆ Zero reset
- ◆ Push-button ± reversal
- ◆ Push-button calibration facilities
- ◆ Incremental or absolute measurement