

scanCONTROL Series

- Three contacts – local account manager, regional manager, application engineer. Tests in our lab or your site.
- Thermal stability – we manufacture all components then mount them on a precision machined and calibrated optical block. Less sensitive to thermal changes than other sensors.
- All-In-One Platform – Often no external boxes. Intelligent sensors have internal data processing (advanced algorithms, RTSC – qty of light feedback to monitor and immediately adjust exposure time). Possible to have a single Ethernet connection (POE).
- Software: Embedded web browser, basic DAQ, SDK (C/C#/C++, LabView, Geomagic, Linux/GeniCam, ...)
- Output: Analog; RS422 (ASCII / Modbus RTU); Ethernet (UDP/Modbus TCP); EtherNet/IP; EtherCAT; PROFINET; GigE Vision
- Calibrated & traceable devices with **individual** performance certificates at time of manufacture.

Compact/High-Speed provide raw data (complete profiles as X-Z ordered pairs or X-Z-Encoder).

Smart/Gap provide complete profiles **OR** calculate measured values onboard & output calculated results.

26xx Budgetary \$6.5k - \$13k

- **640** points per profile
- Compact/Smart/GAP up to 300 profiles / sec
- Highspeed up to 4,000 profiles / sec

29xx Budgetary \$8.8k - \$15k

- **1280** points per profile
- Compact/Smart/Gap up to 300 profiles / sec
- Highspeed up to 2,000 profiles / sec
- Available with **blue** laser

Line widths up to 5.65"

Values below showing Extended X-axis (width) Range.

See brochure for Standard Range (for example, greater standoff in the z-axis).

LLT 29xx-10/BL Reference resolution 1µm*	LLT 26xx / 29xx-25 Reference resolution 2µm*	LLT 26xx / 29xx-50 Reference resolution 4µm*	LLT 26xx / 29xx-100 Reference resolution 12µm*
Standoff (Standard): 52.5mm (2.06")	Standoff (Extended): 53mm (2.08")	Standoff (Extended): 65mm (2.56")	Standoff (Extended): 125mm (4.92")
Active Measuring Range: 8mm (0.315")	Active Measuring Range: 26mm (1.02")	Active Measuring Range: 60mm (2.36")	Active Measuring Range: 265mm (10.43")
Z-axis RES: 1µm (0.039 Thou)	Z-axis RES: 2µm (0.0001")	Z-axis RES: 4µm (0.0002")	Z-axis RES: 12µm (0.0005")
26xx – N/A spot diameter of red vs blue diodes	26xx Median X-Axis RES 39µm (0.0015")	26xx Median X-Axis RES 78µm (0.0031")	26xx Median X-Axis RES 156µm (0.0062")
29xx Median X-Axis RES 7.8µm (0.0003")	29xx Median X-Axis RES 19.5µm (0.0008")	29xx Median X-Axis RES 39µm (0.0015")	29xx Median X-Axis RES 78µm (0.0031")
Line Width (Standard): Min: 9.4mm (0.37") Median: 10mm (0.39") Max: 10.7mm (0.42")	Line Width (Extended): Min: 23.2mm (0.91") Median: 25mm (0.98") Max: 29.3mm (1.15")	Line Width (Extended): Min: 40mm (1.57") Median: 50mm (1.97") Max: 60mm (2.36")	Line Width (Extended): Min: 58.5mm (2.30") Median: 100mm (3.94") Max: 143.5mm (5.65")