Purpose
Non-contact measuring and checking of surface profile, dimensions, deformations, flatness, gaps, volume, 3D models construction.

- Measuring range from 10 to 200 mm
- Linearity 0.05%
- Sampling rate up to 6800 profiles/s
- Red, Blue (two wavelength), IR Lasers Class 2 Safety
- Trigger and encoder synchronization
- Web-interface
- Special modification for welding robots
- Very compact design
- Service software and free SDK and examples for Windows, Linux, .NET, MatLab, LabView

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* for other ranges please consult factory

- Sampling rate, Hz
  - Full range: 485 or 938 (DS mode), ROI: 5096 or 6800 (DS mode)
- Linearity Z, %FS 0.05 or 0.1 for DS mode
- Linearity X, %FS 0.1
- Resolution Z, %FS 0.01 or 0.02% (DS mode)
- Resolution X 648 or 1296 (programmable value)

- Environment resistance:
  - Enclosure rating IP67
  - Vibration 20g/10...1000Hz, 6 hours, for each of XYZ axes
  - Shock 30 g/6 ms
  - Ambient temperature, °C 0...+40, (-20...+40 for the sensors with in-built heater and water/air cooling housing)
  - Relative humidity 5-95% (no condensation)
  - Storage temperature, °C -20...+70
  - Housing/windows material aluminum/glass