Press release

No. 580



Press releases

Download

**Next-generation confocal sensors for series integration**

**The compact confocalDT IFD2410 and IFD2415 sensors represent a new generation of confocal sensors. These compact sensor systems have an integrated controller, which significantly simplifies installation. Several measuring ranges and accuracy classes open up a wide range of measurement tasks, e.g., for series use in coordinate measuring machines, for inline thickness monitoring of flat glass and for testing electronic components. With measuring rates up to 25 kHz, even dynamic measurements can be performed reliably.**

The confocalDT IFD2410 and IFD2415 series of compact confocal sensors offer the highest performance in an all-in-one housing with integrated Industrial Ethernet. Their robust design with IP65-certified housing makes these sensors ideal for industrial series applications.

The sensors are used for precise distance and thickness measurements in inline inspection machines, coordinate measuring machines, robotics, 3D printing, thickness monitoring of flat and container glass, and for testing electronic assemblies, among other applications. With transparent materials, multilayer measurements of up to 5 layers can be performed. The active exposure time regulation of the CCD array allows fast and stable measurements on varying surfaces, even with dynamic measurement processes of up to 25 kHz.

Their extremely compact design simplifies installation in environments with limited space. A fiber optic cable is not required here. Direct integration into the PLC is possible via the integrated Industrial Ethernet interface.

approx. 1,400 characters including spaces



(PR580\_confocalDT IFD2410 IFD2415.jpg)