








# More Precision

capa**NCDT** // Capacitive sensors for displacement, distance & gap



# Active measuring system for long signal transmission paths

## capaNCDT 61x4

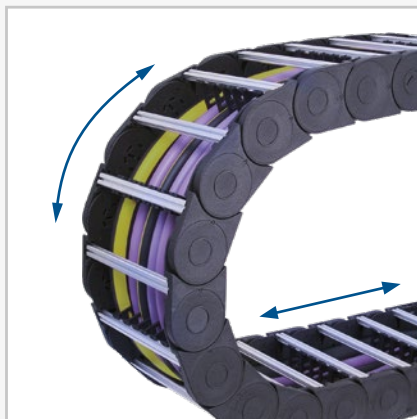
-  Ideal for long signal transmission paths up to 15 m
-  Robust sensor cable for use on drag chains and robots
-  Easy integration due to flexible cable routing
-  Highest signal stability even with sensor cable in motion
-  RS485 interface or analog output



The capaNCDT 61x4 is an active capacitive system for industrial distance measurement with long cables. Consisting of a sensor with integrated preamplifier, a robust cable and a compact controller, the measuring system is immediately ready for use. The integrated preamplifier allows the sensor to bridge long signal transmission paths while maintaining high signal stability.

With cable lengths up to 15 m, the capaNCDT 61x4 is used in automation applications with drag chain guides, in robotics, and in semiconductor machine building. For optimum signal quality, the desired cable length is already factory-calibrated. The active flat sensor is designed with a ceramic sensor element and impresses with its compact and robust design.

Controller	DT6114/5	DT6114/15	DT6124/5	DT6124/15
Sensors	CSHA2FL-CRa5 (5 m cable) CSHA2FL-CRa15 (15 m cable)			
Measuring range, nominal	2 mm			
Resolution (2 Hz)	0.01 % FSO			
Frequency response (-3dB)	1 kHz			
Measuring rate	-	-	Selectable: max. 2 kSa/s	Selectable: max. 2 kSa/s
Linearity	< ±0.1 % FSO	< ±0.25 % FSO	< ±0.1 % FSO	< ±0.25 % FSO
Temperature stability	< 100 ppm FSO/K			



Offering high flexibility and lengths up to 15 m, the robust capaNCDT 61x4 cables are ideally suited to measurement tasks on robots and in automation technology.

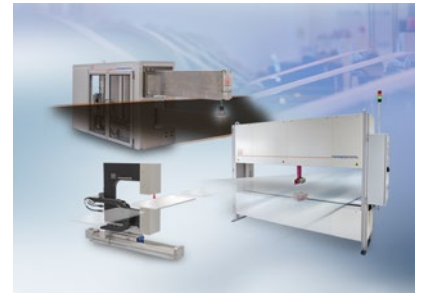
## Sensors and Systems from Micro-Epsilon



Sensors and systems for displacement, distance and position



Sensors and measurement devices for non-contact temperature measurement



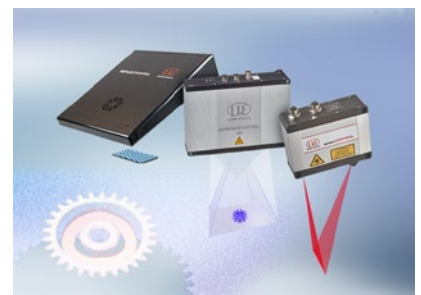
Measuring and inspection systems for metal strips, plastics and rubber



Optical micrometers and fiber optics, measuring and test amplifiers



Color recognition sensors, LED analyzers and inline color spectrometers



3D measurement technology for dimensional testing and surface inspection