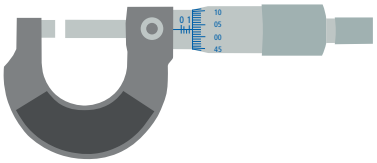
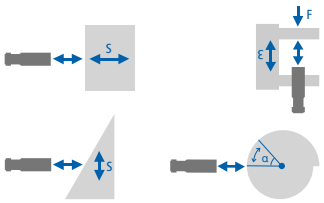
Inductive distance sensors *AlphaProx*®



Precision that empowers
Baumer pushes the boundaries of inductive measurement technology - for applications that previously seemed impossible







Highest accuracy
- Linearity up to 5 µm, resolutions up to 4 nm
- Temperature compensation and end-of-line calibration

In all dimensions
- Axial or lateral distance measurement
- Indirect, non-contact measurements of force and strain
- Precise angle measurements

Simply efficient
- Digital measured values, flexible filter settings and diagnostic data
- Application-specific parameterization for optimal processes

Category	Style	Designation	Size (mm)	Distance (mm)	Resolution (µm)	Linearized	Non-Linearized	IO-Link	Current Output	Voltage Output
Cylindrical smooth		IWRM 04	Ø4	1	< 1		▪			▪
		IR06	Ø6.5	3	< 1	▪	▪	▪	▪	▪
Cylindrical threaded		IR08 / M8	M8	3	< 1	▪	▪	▪	▪	▪
		IR12 / M12	M12	6	< 1	▪	▪	▪	▪	▪
		IR18 / M18	M18	15	< 5	▪	▪	▪		▪
		IR30 / M30	M30	24	< 5	▪	▪	▪	▪	▪
Rectangular		IWFM 05	5 x 5	1	< 1		▪			▪
		IWFM 12	12 x 12	4	< 1		▪		▪	▪
Flat, Front Mounting		IF08.D02S	8 x 4.7	2	< 1		▪			▪
		IF08.D03L	8.8 x 8	3	< 3	▪		▪		
		IWFM 18	18 x 10	4	< 1	▪	▪		▪	▪
		IWFM 20	20 x 8	2	< 1		▪			▪
		IWFM 20	20 x 12	5	< 1	▪	▪		▪	▪
		IF200	20 x 15	10	< 20	▪		▪		
		IF250	25 x 52	12	< 120	▪		▪		
High Sensitivity		IR12.D03K	M12	3	< 0.25	▪			▪	▪
		IR18.D03K	M18	3	< 0.25	▪			▪	▪
High Resolution		IPRM 12	M12	3	< 0.004		▪		▪	
Factor 1		IR18.D08F	M18	8	< 20	▪				▪
Off-highway		IR18V.D08L	M18	8	< 8	▪				▪
Washdown		IWRR 18	M18	7	< 5	▪			▪	
High Pressure		IWRP 16	M16	4	< 5	▪			▪	

Baumer
Passion for Sensors

More information at:
www.baumer.com/288