

Inductive measuring systems overview

Compare the specifications to see which system fits your needs

TYPE	ECL202	ECL150	ECL101/ECL110	ECW110	ECA101	ECA110	EDA500
Max. bandwidth	15 kHz	15 kHz	80 kHz	1 kHz	10 kHz	10 kHz	28 kHz
Measurement range	0,25mm - 15 mm	0,50 mm - 15 mm	0,50 mm - 15 mm	2 mm - 3,5 mm	0,50 mm - 15 mm	0,50mm - 15 mm	700 µm (150 to 850 µm)
Typical linearity	0,2% F.S.*	0,2% F.S.*	0,5% F.S.*	0,5% F.S.*	Non-linear	Non-linear	± 0.1% F.S.* @ 22 °C
Max. resolution**	10nm @100Hz	35nm @250Hz	30nm @1kHz	100nm @1kHz	60nm @10kHz	60nm @10kHz	< 7nm (at null gap)
Resolution at 15kHz	Non-ferrous 0,007% F.S., Ferrous 0,009% F.S.	Non-ferrous 0,007% F.S., Ferrous 0,009% F.S.	Non-ferrous 0,009% F.S., Ferrous 0,011% F.S.	-	-	-	-
Zero/Offset adjust	Yes	Yes	Yes	No	Yes	No	N/A
Typical thermal drift	0,01% F.S.*/°C	0,01% F.S.*/°C	0,04% F.S.*/°C	0,04% F.S.*/°C	0,04% F.S.*/°C	0,04% F.S.*/°C	0,001% F.S.*/°C
LED range indicator	Yes	Yes	Yes	No	Yes	No	No
Vacuum compatible (on request)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Other features	Bandwidth: 100 Hz, 1 kHz, 10 kHz, 15 kHz (user selectable).	Bandwidth: 250 Hz, 1 kHz, 10 kHz, 15 kHz (user selectable).	Two environmental ranges Standard to 125 °C, High to 200 °C.	Wireless data communication.		Embeddable unit, no user adjustment.	Differential system. Qualified for Space applications.

* F.S. = full scale

** An export license may be required for certain countries due to the high resolution