

Capacitive measuring systems overview

Compare the specifications to see which system fits your needs

TYPE	CPL490	CPL190/290	CPL230	CPL350	CPL590
Max. resolution*	0,05nm @1kHz	0,05nm @100Hz	0,07nm @100Hz	0,07nm @100Hz	0,12nm @1kHz
Typical resolution at 15kHz	0,0007% F.S.	0,003% F.S.	0,004% F.S.	0,004% F.S.	0,004% F.S.
Max. bandwidth	50 kHz	15 kHz	15 kHz	15 kHz	15 kHz
Measurement range	10 µm - 0,1 mm	10 µm - 12,5 mm	10 µm - 12,5 mm	10 µm - 12,5 mm	10 µm - 12,5 mm
Typical linearity	0,2% F.S.	0,2% F.S.	0,5% F.S.	0,5% F.S.	<0,1% F.S.
Number of channels	1 - 3	1 - 8	1 - 6	1	1 - 8
Typical thermal drift	0,02% F.S./°C	0,04% F.S./°C	0,04% F.S./°C	0,04% F.S./°C	0,02% F.S./°C
Vacuum compatible (on request)	No	Yes	Yes	Yes	Yes
Other features	Easy DAQ connection	CPL290 comes with dual range	Embeddable OEM design	Embeddable OEM design	Digital, up to 4 selectable ranges
	F.S. = full scale				

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