



Load Cells Series 5E1, 5E2 and 5E3



Robust Piezoresistive Load Cell constructed from stainless steel highly resistant to corrosion. Designed in order to cover a wide range of force measurement. Cells are provided in a flat and small package. Up to 18 models available divided in three different series. Each serie covers a different load / force range. Three categories of accuracy, from low cost to high precision solution. Connections made via 4 flat cables (Supply, GND, Output+, Output-).

Serie	5E1	5E2	5E3
Pressure Ranges	0-100 / 0-200 / 0-500 N	0-1'000 / 0-2'000 / 0-5'000 N	0-10'000 / 0-20'000 / 0-50'000 N

Characteristics :

Version	A	B	C
Resistance	ca. 10'000 Ohm		
Rated Output (RO)	5 mV/V		
Excitation	25 VDC or VAC max.		
Overload	1.5 x Nominal Load		
Linearity	< 0.25 % of RO	< 0.5 % of RO	< 1 % of RO
Hysteresis	< 0.25 % of RO	< 0.5 % of RO	< 1 % of RO
Nonrepeatability	< 0.25 % of RO	< 0.5 % of RO	< 1 % of RO
Zero Balance	< 0.5 % of RO	< 1 % of RO	< 2 % of RO
Temperature Shift Zero	< 0.01 % of RO / °C	< 0.02 % of RO / °C	< 0.04 % of RO / °C
Temperature Shift Span	< 0.002 % of RO / °C	< 0.005 % of RO / °C	< 0.01 % of RO / °C
Compensated Temp.	20 °C ... 70 °C		
Operating Temp.	-40 °C ... 120 °C		

Dimensions (mm)	ØA	ØB	ØC	ØD	E	F	G	H
Serie 5E1	4	10	16	22	2.5	7	5	1.75
Serie 5E2	10	16	24	34	2.5	12	5	2.25
Serie 5E3	14	25.5	36	50	3	20	7	2.5

Unit Price (1...4 pcs)	Version A	Version B	Version C		Quantity	Discount
Serie 5E1	199.00	149.00	99.00	US\$	5...9 pcs	15 %
Serie 5E2	219.00	169.00	119.00	US\$	10...25 pcs	25 %
Serie 5E3	249.00	199.00	149.00	US\$		

Dimensions and Suggested Mounting Diagramm

