



Acam Instrumentation Ltd

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Ceramic Sensors

Can offer a wide range of pressures to suit a wide range of applications that are found in General Industry, Medical and Military arenas.

Employing Ceramic technology giving a remarkable variety of sizes and pressure ranges measuring from 0.5 bar range output to 500 bar. Sensors are available as diaphragm for customer mounting and wiring, with one ring ceramic ring for easy mounting, fully wired with flying lead or connector mounted PCB or Ceramic sheet.

These sensors can be used in an OEM context or can be engineered into completed transducers and transmitters. Signal Output is 15mV from a 5 volt supply. A high performance ratio to price is achieved. Linearity's of better than 0.15% typical.

Performance under thermal cycling is very good. This sensor displays a very low thermal hysteresis and excellent thermal stability. Temperature coefficients can be customised to customer requirements.

Our experience is based on over 40 years of specialised manufacture in sensor and transducer design.



Ceramic Sensor

Ceramic Pressure Ranges

Pressure = Bar		5.00 V Input			15 mV Output	
		dia thick = inches				
	Diameter	0.008	0.01	0.02	0.04	0.06
10 x 6.3	6.30	8.66	13.53	54.13	216.50	487.13
10 x 7	7.00	7.01	10.96	43.84	176.37	394.57
20 x 15	1.53	1.53	2.39	9.56	38.19	85.93
35 x 22	0.49	0.49	0.77	3.06	12.25	27.56
34 x 29	0.28	0.28	0.44	1.76	7.05	15.86
41 x 35	0.19	0.19	0.30	1.21	4.84	10.89
43 x 33	0.22	0.22	0.34	1.36	5.44	12.25