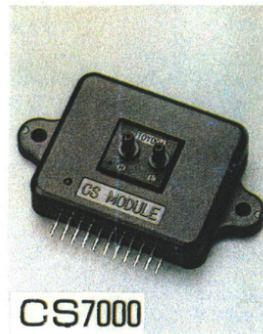
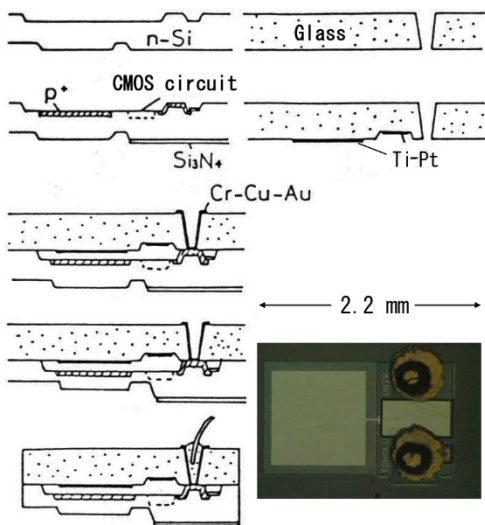


4 Mechanical sensors



For low pressure measurement

10mmH₂O~300mmH₂O

Frequency and analog output

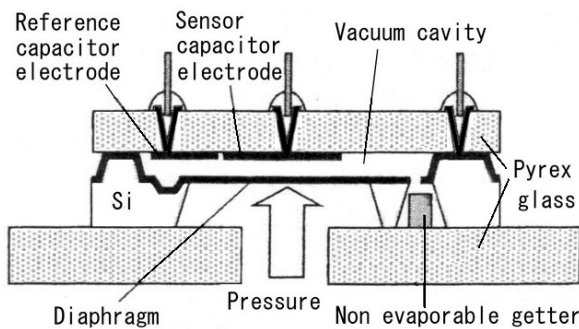
TOYODA

Toyoda Machine Works, LTD.

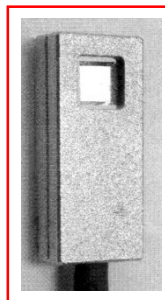
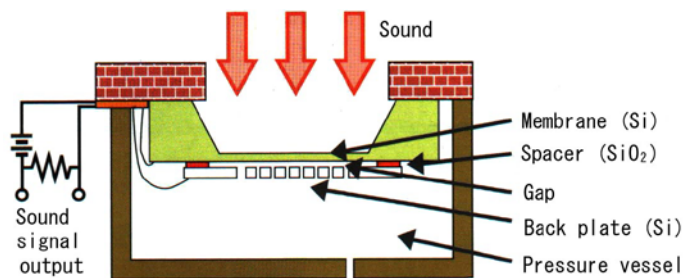
Monolithic capacitive pressure sensor

Integrated capacitive pressure sensor

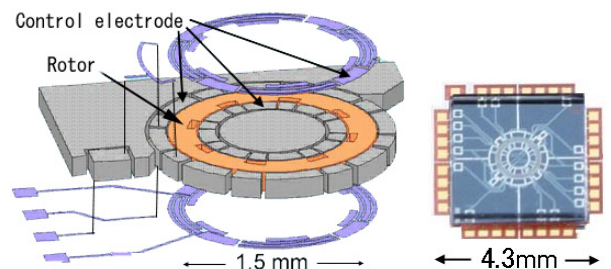
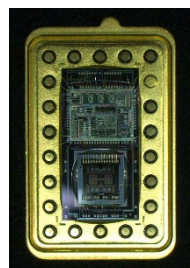
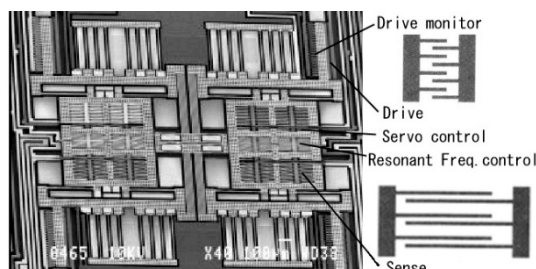
(Y.Matsumoto, S.Shoji and M.Esashi, Ext. Abstracts of the 22nd Conf. on Solid State Devices and Materials (1990) 701)



Silicon capacitive vacuum sensor (H.Miyashita et.al., ANELVA technical report, 11 (2005) 37)



Silicon microphone (NHK) (T.Tajima, N.Saito, M.Esashi et.al., Microelectronic Engineering, 67-68 (2003) 508)



Yaw rate & acceleration sensor (Toyota motor Ltd.)

Electrostatically levitating rotational gyro (Tokyo keiki Ltd.)

(M.Nagao, et.al., 2004 SAE World Congress, 01-1113 (2004)) (T.Murakoshi, et.al., Jpn. J. Appl. Phys., 42 (2003) 2468)