

ABSTRACT

SENSOR DEVICE

Provided is a sensor device permitting inexpensive fabrication of a body at the interior of which a helically shaped passage is formed. Sensor device 1 is provided with body 10 of which formed at the interior is gas passage 13 into which steam serving as detection target flows; and pressure sensor 30, which is installed at body 10 so as to be in communication with gas passage 13 and which detects pressure of steam within gas passage 13. Body 10 has rod-shaped portion 11 having cylindrical inside circumferential surface 11b. Sensor device 1 is provided with sheath pipe 21 (insert) that is formed in the shape of a rod on which helical groove 23 is formed at outside circumferential surface 22, and that is such that, when inserted within rod-shaped portion 11 of body 10, helical groove 23, together with inside circumferential surface 11b of rod-shaped portion 11, form helically shaped gas passage 13 (helical passage 14).

FIG. 1