

Abstract

A sensor device (D1) is attachable for use to a gauge (G1) and configured to obtain a measurement from the gauge (G1) contactlessly, the gauge (G1) including: a dial plate (G16) provided with a scale mark (G161); a needle (G14) rotatable over the dial plate (G16); and a shaft configured to rotate the needle (G14). The sensor device (D1) includes a body (M1) and a battery unit (B1). The body (M1) includes a body casing (1) containing a sensor circuit configured to obtain the measurement. The battery unit (B1) includes a battery casing (5) containing at least one battery cell configured to supply electric power to the sensor circuit. The body (M1) and the battery unit (B1) are configured to be assembled to each other as a result of the body casing (1) and the battery casing (5) being stacked on top of each other.

[Fig. 1]