

Title (en)
COMPENSATING ELEMENT FOR A SENSOR

Title (de)
ABGLEICHELEMENT FÜR EINEN AUFNEHMER

Title (fr)
ELEMENT D'EQUILIBRAGE POUR UN CAPTEUR

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Application
EP 00906275 A 20000203

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Abstract (en)
[origin: DE19905156A1] The invention relates to a compensating element (4) for a sensor circuit which is equipped with strain gauges (2) in a bridge circuit (1). Said compensating element (4) consists of a metallic support plate (20) on which a structured resistance foil (24) is bonded in an insulating manner. Both the low-resistance trimming resistors (6, 16) and the high-resistance trimming resistors (13, 18) for compensating the temperature coefficient at zero (TKO) and the temperature coefficient at a characteristic value (TKK) are formed from the resistance foil (23) in a flat or grid form. The compensating element (4) can easily be connected to the sensor through the level support plate (20) with a suitable plastic and with good heat transfer. In the finished sensor, the compensating element is protected from mechanical damage by a sealing compound.

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IPC 8 full level
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