

Title (en)
PRESSURE GAUGE FOR MEASURING A PRESSURE

Title (de)
DRUCKMESSGERÄT ZUR MESSUNG EINES DRUCKES

Title (fr)
MANOMÈTRE PERMETTANT LA MESURE D'UNE PRESSION

Publication
EP 4042123 A1 20220817 (DE)

Application
EP 20780651 A 20200924

Priority

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- DE 102020121981 A 20200821
- EP 2020076666 W 20200924

Abstract (en)
[origin: WO2021069218A1] The invention relates to a pressure gauge for measuring a pressure, having: - a pressure measuring cell (500); - a rotationally symmetric sensor bushing (400) into which the pressure measuring cell (500) is inserted; - a rotationally symmetrical process connection (300) for releasably fastening the pressure gauge (100) to a wall of a measuring point, - a process seal (600) to prevent the process medium entering the pressure gauge; - the process connection (300) and/or the sensor bushing (400) having multiple individual recesses (435) that are designed such that the individual recesses (435) together form a fluidic path group consisting of multiple fluidic individual paths (EP1-EP4) extending parallel to one another, by means of which path group, in the event that the process seal fails, the process medium is conducted from the sealing plane for the process seal to at least one opening (340) that is visible from the outside when the pressure gauge (100) is in the installed state, the individual recesses being designed such that a total cross-sectional area corresponding to the cross-sectional area of the recesses forming the multiple fluidic individual paths extending parallel to one another corresponds to a predefined minimal cross-sectional area.

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