

Title (en)

METHOD FOR CONTROLLING AN ELECTRONIC PRESSURE GAUGE AND PRESSURE GAUGE THEREFOR

Title (de)

VERFAHREN ZUR STEUERUNG EINES ELEKTRONISCHEN DRUCKMESSGERÄTES UND DRUCKMESSGERÄT DAFÜR

Title (fr)

PROCÉDÉ DE PILOTAGE D'UN MANOMÈTRE ÉLECTRONIQUE ET MANOMÈTRE CORRESPONDANT

Publication

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Application

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Abstract (en)

[origin: US2010132474A1] The invention relates to a method for controlling an electronic pressure gauge for measuring the pressure (P) inside a pressurised gas container, particularly a pressurised gas cylinder, said pressure gauge (1) including: at least one pressure sensor (14); an electronic unit (44) designed to acquire, store and process data; and at least one information device (34) capable of transmitting at least one item of information (P). The method includes: at least one step in which the pressure (P) in the container is measured by the pressure sensor (14); and a step comprising the automatic modification of the operating mode of the pressure gauge (1) and/or the information (P) transmitted by the pressure gauge (1) in order to adapt the operating mode or the information (P) to the current operating status (A, B-C, D) of the container from among a plurality of pre-defined operating statuses (A, B-C, D), said operating statuses (A, B, C, D) being pre-defined by pre-established reference pressure threshold values (S1 to S3) and chronologically linked so as to form a chronological cycle. According to the invention, the aforementioned modification step is performed following the detection of a transition from a first operating status (A, B-C, D) to a second operating status, i.e. when the pressure values (P) measured during the first operating status and compared to the pre-established reference pressure threshold values (S1 to S3) match the second operating status and the second operating status is the next status in the chronological cycle. The invention is characterised in that the pre-defined operating statuses (A, B-C, D) are linked chronologically in a closed-loop chronological cycle and the pressure gauge (1) is connected to the container and can measure the pressure inside the container during the entire closed-loop chronological cycle.

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