

Title (en)

ELECTRONIC FIELD DEVICE WITH A SENSOR UNIT FOR CAPACITIVE LEVEL MEASUREMENT IN A CONTAINER

Title (de)

FELDGERÄTEELEKTRONIK MIT EINER SENSOREINHEIT FÜR KAPAZITIVE FÜLLSTANDSMESSUNGEN IN EINEM BEHÄLTER

Title (fr)

EQUIPEMENT ELECTRONIQUE D'APPAREIL DE CHAMP COMPORTANT UNE UNITE CAPTEUR POUR LES MESURES CAPACITIVES DE NIVEAU D'UN CONTENEUR

Publication

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Application

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Abstract (en)

[origin: WO03050480A1] The invention relates to an electronic field device with a sensor unit (2), for capacitive level measurement in a container (3), whereby the electronic field device is connected to the sensor unit (2) by corresponding signal paths. The electronic field device generates a voltage signal for operation of the sensor unit (2) and receives and analyses a measuring current from the sensor unit (2). According to the invention, an analogue/digital converter (8), for digitising the analogue measuring current, a microprocessor (1) and a memory unit (7) are provided, whereby the microprocessor carries out the generation of the voltage signal, the analysis of the measuring current, a compensation for interference and a determination of the recorded parameters for the sensor/container arrangement, according to given programme sequences and the corresponding programmes are stored in the memory unit (7).

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