

SENSOR FOR THE DETECTION OF A PREDETERMINED FILLING LEVEL OF A CONTAINER**ABSTRACT**

A sensor for the detection of a predetermined level of a container has three capacitive electrodes (5 - 7) which form a first and a second capacitor (8, 9). The three capacitive electrodes (5 - 7) are arranged in three planes running parallel to each other. A drill hole (13) running through the three capacitive
5 electrodes (5 - 7) accepts the container. The first capacitor (8) is preferably part of a first RC element and the second capacitor (9) part of a second RC element whereby the two RC elements have differing time constants. Measurement of the relative change of the two time constants enables operation of the sensor without any adjustment.

The sensor is used for example with the assembly of semiconductor chips in order to indicate that a
10 syringe (1) filled with adhesive (2) is almost empty.

(Fig. 1)