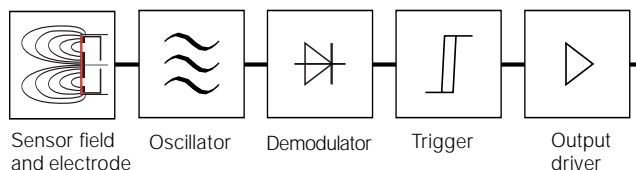


Function groups...

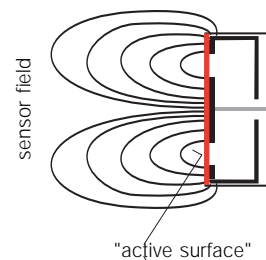
... of a capacitive sensor include:



Active surface ...

... is the area through which the high frequency sensor field enters the air space.

It is primarily determined by the front surface area of the sensor and corresponds approximately to the surface area of the outer sensor electrode.



Standard target...

... is a grounded, square plate made of Fe 360 (ISO 630), with the switching distance determined per IEC 947-5-2.

Thickness is $d = 1 \text{ mm}$; and the side length a corresponds to

- the diameter of the inscribed circle of the active surface, or
- $3 s_n$, if the value is larger than the given diameter.

