

Device and Method for processing of residual values when controlling a sensor**Abstract**

The invention relates to a device (300) for controlling a sensor (310), comprising a converter unit (320) for converting an input signal (365) into a control signal (360) for controlling said sensor (310), and a comparison unit (330) for determining a differential signal (370) that indicates the difference between said input signal (365) and control signal (360). The device also comprises a feedback unit (340) for regulating the input signal (365) using said differential signal (370). A differential signal (370) transfer function has a zero point at a sensor (310) operating frequency which does not equal zero.

Fig. 5a