## OCXO



## **Electrical Frequency Control**

To compensate the long-term stability (aging) or in case of frequency-modulation, the output frequency of the crystal oscillator is electronically adjustable by a certain amount.

The external circuit is either a voltage divider made with a potentiometer or fixed resistors or a external voltage supply or DAC.

The internal reference voltage (Vref) for a standard Oscillator-supply-voltage of 5 V is **4V±1%** and can supply the power (10 mW max!) to the resistors or a DAC. The advantage of the internal reference is the same thermal management as used for the crystal stabilisation.

The figure besides shows the basic set-up for EFC using an external power supply or a voltage divider made with a potentiometer for the various models of QUINTENZ- OCXOs.

