

## A-156 Adjustment

The scale of the CV outputs is adjusted by P4 (one potentiometer for both outputs). E.g. the manual CV source A-176 can be used to generate a manually controlled CV input voltage for the A-156. When the corresponding CV input voltage (CV1 or CV2) is increased the CV out has to change according to the setting of the quantization switches. The easiest way is to use the quint setting without +6th or +7th and then check the octave intervals which have to be exactly 1.00V. Pay attention to the intervals and take into consideration the zero offset. If e.g. the zero offset is +0.01V the 1V jumps correspond to +1.01V, +2.01V, +3.01V and so on.

The scale inputs are adjusted by P1 (CV In 1), P2 (CV In 2) and P3 (Transpose CV In). E.g. an A-176 can be used to generate the corresponding CV input voltage. The voltage output of the A-176 can be set to a multiple of 1.00V (e.g. 4.00V or 5.00V) and the voltage has to be measured simultaneously e.g. by a digital multimeter. P1 (or P2 or P3) has to be adjusted so that the corresponding CV output reads the same voltage as the input (i.e. 4.00V or 5.00V except for a small offset voltage in the mV range that occurs instead of 0.00V). The finest quantization (All) has to be used for this adjustment. Otherwise the steps are too coarse for this adjustment.

**Remark:** First of all P4 has to be adjusted for exact 1.00V jumps of the outputs independent of the exact input voltages. Not until the output scale is adjusted by P4 the input scales have to be adjusted (P1, P2, P3) so that an 1V jump at the corresponding input generates the 1V changes at the corresponding output.

