



Notes for mounting and using of stack type actuators

Actuators are normally fastened with screws or clamps to the bottom plate. If the top plate has a torque nut, it should be used when securing screws in order to avoid damage to the actuator. Please avoid tensile forces greater than the given pre-load! Please note, for standard actuators; and actuators equipped with strain gauge sensors, the tolerance of the open loop motion is -10% to +40%. The tolerance of the capacitance is +/- 20%. The closed loop travel is 80% of the open loop travel. The resolution is only limited by the noise of the amplifier, and all given resolution values are based on measurements with the E-103-18 amplifier. Standard calibration will be done without any load on the actuator. On customer request, defined loads (up to the max. load) can be calibrated during manufacturing once to optimize a system. Additional calibration has to be paid by the customer.

The standard cable length is 1m. The vacuum and cryogenic version cable length at the actuator is 0.6m. The extension cable length outside the vacuum chamber is 1.2m.

Actuators equipped with feed back sensors have a total cable length of 2m. A signal pre-amplifier box is in line with the cable 0.3m behind the actuator. The size of the cable box is (BxHxL=12x16x45mm).

For further question please ask us!

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