

SID-50 - Iris Diaphragm

Motorized iris diaphragms are used for example in the fields of opto-electronics, lasers and medical technology and create the possibility to fully remote control optical setups. This comes in handy especially in confined spaces like chambers, cabinets, enclosures or simply when automation is required. These precision opto-mechanical devices allow perfect dosing of the amount of light and the exact control of the projection and the size of the illuminated surface. Due to the used high quality materials the iris diaphragms keep their reliable functionality over many thousand open-close cycles, even in extreme conditions. The iris diaphragms can be optionally equipped with positioning sensors allowing for a closed-loop control of the aperture diameter. A motorized iris diaphragm with a maximum opening of 50 mm.

	Mechanical
Aperture [mm]	5 ... 50
Dimensions [mm]	140 x 18 x 130
Weight [g]	530
	Closed-Loop
Opening Resolution [µm]	< 1
Opening Velocity [mm/s]	6
Uni-Directional Repeatability [µm]	20 (unidirectional)
	Options
Material Options	Aluminum as standard: Titanium base (-TI) and others on request
Vacuum Options	HV (1E-6 mbar)

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SmarAct GmbH | Schuette-Lanz-Strasse 9 | 26135 Oldenburg | Germany T: +49 441 – 800 879 0 | Email: info-de@smaract.com