

CLS-92152 - Linear Stage with EDU

Linear stages of the CLS series have been specifically designed for high availability applications in science and industry. They are equipped with SmarActs Exchangeable Drive Units which guarantees an easy access to the stages core component, the piezo drive which makes servicing a simple task. The drive unit can be exchanged without the need to remove the complete device from the surrounding positioning setup. They are the perfect option whenever modularity and easy configuration are the top level requirements. The larger CLS-92 linear stage has a footprint of 152 x 92 mm and a travel range of 103 mm. Furthermore it is able to handle payloads of up to 20 N.

	Mechanical
Travel [mm]	103
Blocking Force [N]	≥ 3.5
Max. Normal Force [N]	20
Dimensions [mm]	152 x 92 x 17
Weight [g]	591
	Open-loop
Velocity [mm/s]	> 20
Open-Loop Resolution MCS2 [nm]	< 1
Open-Loop Resolution (H)CU [nm]	< 50
	Closed-Loop
Sensor Resolution MCS2 [nm]	1 (S), 4 (L)
Sensor Resolution (H)CU [nm]	100 (L)
Uni-Directional Repeatability MCS2 [nm]	± 40 (S,L)
Uni-Directional Repeatability (H)CU [nm]	± 200 (L)
	Options
Material Options	Aluminum base as standard; Titanium base (-TI)
Performance Options	Higher blocking force (-D): +1.5 N
Vacuum Options	HV (1E-6 mbar); UHV (1E-11 mbar)
Non-Magnetic Option	Yes

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