

... from development to
implementation



Production of materials testing equipment and automation

Electromechanical testing
actuators LABTEST ASD

Made in Czech Republic



Electromechanic testing actuators LABTEST ASD for static and dynamic applications.

Technical description

Linear ASD actuators have been developed as actuators generating a pushing or pulling force relative to the reference point. The principle of the actuator is based on the conversion of rotational motion to linear. The desired axial force (static and dynamic) and the desired speed can be achieved by selecting the actuator and the actuator body (see the table for more information). Other usable features and features can be obtained:

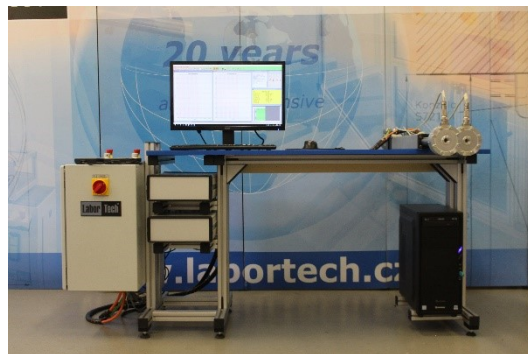
Variable speed and force, force detection, force limitation, positionability, high accuracy, easy installation and maintenance, low maintenance costs and long life, etc.

Field of use

- Alternative substitution of hydraulic and pneumatic cylinders
- One or multiple testing of materials, assemblies and components
- Testing under atypical conditions (temperature chambers, etc.)
- Cyclical tests with large strokes
- Testing in clean and sterile facilities

Characteristic features

- Speed up to 500 mm/s
- Control via 5 kHz EDC series electronics
- Control via PC and T&M software or RMC remote control
- Easy installation of LC LABORTECH series load cells
- Multi-axial product testing on one PC



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Chart of electromechanic actuator series ASD

Technical data	Units	ASD1.0	ASD1.1	ASD2.0	ASD2.1	ASD5.0	ASD5.1	ASD10.0	ASD10.1	ASD20.0	ASD30.0	ASD50.0	ASD100.0
	kN	1	1	2	2	5	5	10	10	20	30	50	100
Maximal testing speed	mm/sec	125	500	125	250	85	500	55	250	125	100	50	41,6
Maximal testing speed	m/min												
Machine drive resolution	μm	±2,5	±6	±2,5	±6	±2,5	±8	±8	±8	±8	±8	±8	±0,014
Position repeatability	kg												
Maximal standard stroke		200	180	200	200	200	200	200	200	200	200	200	200
Maximal alternative stroke		400	380	400	400	400	400	400	400	400	400	400	400
Weight ¹	kg	22	26	22	26	26	72	65	72	72	72	113	420
Length (A)	mm	547	547	547	547	547	669	669	669	669	669	682	950
Width (B)	mm	120	120	120	120	120	180	180	180	180	180	200	296
Height (C)	mm	270	270	270	270	270	385	385	385	385	385	430	510
Length incl. load cells (D)	mm												
Environmental conditions													
Ambient temperature	°C	from 10 to 35											
Storage temperature	°C	from -35 to 55											
Humidity	%	< 90											
Noise	dB	< 65											
Elektrical connection													
Powering	V	230 1Ph/N/PE	230 1Ph/N/PE	230 1Ph/N/PE	230 1Ph/N/PE	230 1Ph/N/PE	400 3Ph/N/PE	230 1Ph/N/PE	400 3Ph/N/PE	400 3Ph/N/PE	400 3Ph/N/PE	400 3Ph/N/PE	400 3Ph/N/PE
Fuse	A												
Machine input (without accessories)	kVA	2,2	2,2	2,2	2,2	2,2	5,0	2,2	5,0	5,0	5,0	5,0	5,0

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LABORTECH in the world



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