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SENSORS, TEST & CALIBRATION

LD 5 and LD10 vs. Previous Models

Product Comparison

What is the Difference	Lloyd Instruments LD5	Lloyd Instruments LR5
Force Capacity (kN) (lbf)	5 1125	5 1125
Crosshead Speed Range Min (mm/min) (in/min)	0.0001 0.000004	0.01 0.0004
Crosshead Speed Range Max (mm/min) (in/min)	1270 50	1016 40
Speed Accuracy (%)	0.1	0.2
Load Cell Accuracy (%)	<0.5	0.5
Return Speed (mm) (in)	1270 50	1016 44.3
Extension Resolution (microns)	>0.00012	< 0.1
Minimum Load Resolution (N)	1 part in 10^9	1 part in 10^4
Data Sampling Rate (kHz)	1	8
Crosshead Travel, Standard (mm) (in) Extended (mm) (in)	1070 42.1 1669 65.7	975 38.4 1463 57.6
Space Between Columns (mm) (in)	452 17.8	404 16
Weight (kg) (lb)	225 496	99 218
Strain Rate Control	Yes	No
Motor	AC drive	DC drive
Extensometer Inputs	Analog and digital	Analog and digital
Software	NEXYGEN*Plus*	NEXYGEN*Plus*
Comments		

What is the Difference	Lloyd Instruments LD10	Lloyd Instruments LR10
Force Capacity (kN) (lbf)	10 2248	10 2248
Crosshead Speed Range Min (mm/min) (in/min)	0.0001 0.000004	0.01 0.0004
Crosshead Speed Range Max (mm/min) (in/min)	1270 50	508 20
Speed Accuracy (%)	0.1	< 0.2
Load Cell Accuracy (%)	<0.5	0.5
Return Speed (mm) (in)	1270 50	508 20
Extension Resolution (microns)	>0.000121	< 0.05
Minimum Load Resolution (N)	1 part in 10^9	1 part in 10^4
Data Sampling Rate (kHz)	1	8
Crosshead Travel, Standard (mm) (in) Extended (mm) (in)	1070 42.1 1669 65.7	950 37.4 1435 56.5
Space Between Columns (mm) (in)	452 17.8	404 16.0
Weight (kg) (lb)	225 496	99 218
Strain Rate Control	Yes	No
Motor	AC drive	DC drive
Extensometer Inputs	Analog and digital	Analog and digital
Software	NEXYGEN*Plus*	NEXYGEN*Plus*
Comments		

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LD 30 vs. Previous Models

Product Comparison

What is the Difference

	Lloyd Instruments LD30	Lloyd Instruments EZ20	Lloyd Instruments LR30
Force Capacity (kN) (lbf)	30 6744	20 4496	30 6744
Crosshead Speed Range Min (mm/min) (in/min)	0.0001 0.000004	0.001 0.00004	0.001 0.0004
Crosshead Speed Range Max (mm/min) (in/min)	1000 39	508 20	508 20
Speed Accuracy (%)	0.1	< 0.2	< 0.2
Load Cell Accuracy (%)	<0.5	0.5	0.5
Return Speed (mm) (in)	1000 39	508 20	508 20
Extension Resolution (microns)	>0.000214	< 0.1	< 0.05
Minimum Load Resolution (N)	1 part in 10^9	1 part in 10^4	1 part in 10^4
Data Sampling Rate (kHz)	1	8	8
Crosshead Travel, Standard (mm) (in) Extended (mm) (in)	1070 42.1 1669 65.7	870 34.3 1370 54	870 34.3 1370 54
Space Between Columns (mm) (in)	452 17.8	404 16	404 16
Weight (kg) (lb)	225 496	148 326	148 326
Strain Rate Control	Yes	No	No
Motor	AC drive	DC drive	DC drive
Extensometer Inputs	Analog and digital	Analog and digital	Analog and digital
Software	NEXYGEN*Plus*	NEXYGEN*Plus*	NEXYGEN*Plus*
Comments			

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LD 50 vs. Previous Models

Product Comparison

What is the Difference

	Lloyd Instruments LD50	Lloyd Instruments LR30	Lloyd Instruments LR50	Lloyd Instruments EZ50
Force Capacity (kN) (lbf)	50 11240	30 6744	50 11241	50 11241
Crosshead Speed Range Min (mm/min) (in/min)	0.0001 0.000004	0.001 0.0004	0.001 0.00004	0.01 0.0004
Crosshead Speed Range Max (mm/min) (in/min)	1000 39	508 20	508 20	254 10
Speed Accuracy (%)	0.1	< 0.2	< 0.2	< 0.2
Load Cell Accuracy (%)	<0.5	0.5	0.5	0.5
Return Speed (mm) (in)	500 19	508 20	508 20	254 10
Extension Resolution (microns)	>0.000354	< 0.05	< 0.05	< 0.03
Minimum Load Resolution (N)	1 part in 10^9	1 part in 10^4	1 part in 10^4	1 part in 10^4
Data Sampling Rate (kHz)	1	8	8	8
Crosshead Travel, Standard (mm) (in) Extended (mm) (in)	1070 42.1 1669 65.7	870 34.3 1370 54	855 33.7 1355 53.4	855 33.7 1355 53.4
Space Between Columns (mm) (in)	452 17.8	404 16	404 16	404 16
Weight (kg) (lb)	225 496	148 326	148 326	148 326
Strain Rate Control	Yes	No	No	No
Motor	AC drive	DC drive	DC drive	DC drive
Extensometer Inputs	Analog and digital	Analog and digital	Analog and digital	Analog and digital
Software	NEXYGEN*Plus*	NEXYGEN*Plus*	NEXYGEN*Plus*	NEXYGEN*Plus*
Comments				

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LD 100 vs. Previous Models

Product Comparison

What is the Difference

	Lloyd Instruments LD100	Lloyd Instruments LS100
Force Capacity (kN) (lbf)	100 22480	100 22480
Crosshead Speed Range Min (mm/min) (in/min)	0.0001 0.000004	0.001 0.0004
Crosshead Speed Range Max (mm/min) (in/min)	250 10	254 10
Speed Accuracy (%)	0.1	< 0.2
Load Cell Accuracy (%)	<0.5	<0.5
Return Speed (mm) (in)	250 10	254 10
Extension Resolution (microns)	>0.000354	1/33
Minimum Load Resolution (N)	1 part in 10^9	1 part in 10^4
Data Sampling Rate (kHz)	1	8
Crosshead Travel, Standard (mm) (in)	1070 42.1	842 33.1
Space Between Columns (mm) (in)	452 17.8	404 16
Weight (kg) (lb)	225 496	200 440
Strain Rate Control	Yes	No
Motor	AC drive	DC drive
Extensometer Inputs	Analog and digital	Analog and digital
Software	NEXYGEN*Plus*	NEXYGEN*Plus*
Comments		