

PRESENTED BY



**AN ISO 17025
ACCREDITED COMPANY**

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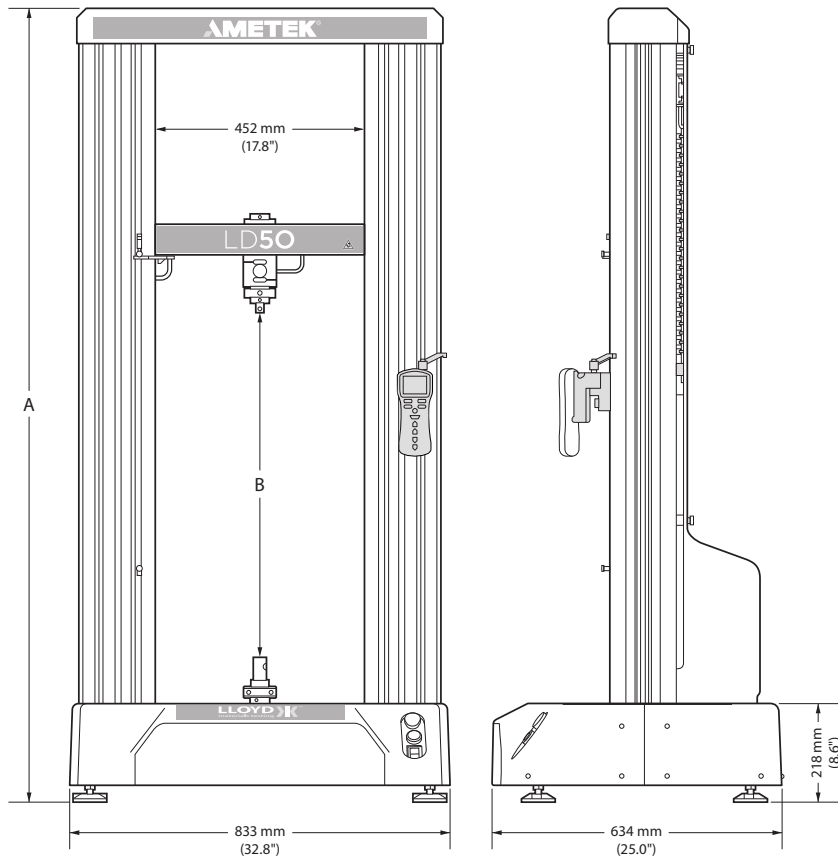
NICOL SCALES & MEASUREMENT IS AN ISO ACCREDITED CALIBRATION
COMPANY THAT HAS PROVIDED CALIBRATION, REPAIR AND SALES OF ALL TYPES
OF WEIGHING AND MEASUREMENT PRODUCTS SINCE 1931.

LD Series

5-100 kN Materials Testing



Specifications



A	Standard Machine Height	1728 mm / 68 in
	Extended Machine Height	2363 mm / 93 in
B	Standard Crosshead Travel	1070 mm / 42 in
	Extended Crosshead Travel	1669 mm / 65.7 in

Force Capacity	
LD5	5 kN / 1124 lbf
LD10	10 kN / 2248 lbf
LD30	30 kN / 6744 lbf
LD50	50 kN / 11240 lbf
LD100	100 kN / 22480 lbf

Croshead Speed Range	
LD5	0.0001 to 1270 mm/min / 0.000004 to 50 in/min
LD10	0.0001 to 1270 mm/min / 0.000004 to 50 in/min
LD30	0.0001 to 1000 mm/min / 0.000004 to 40 in/min
LD50	0.0001 to 500 mm/min / 0.000004 to 20 in/min
LD100	0.0001 to 250 mm/min / 0.000004 to 10 in/min

Return Speed	
LD5	1270 mm/min / 50 in/min
LD10	1270 mm/min / 50 in/min
LD30	1000 mm/min / 40 in/min
LD50	650 mm/min / 26 in/min
LD100	325 mm/min / 10 in/min

Speed Accuracy	
0.1%	

Croshead Travel	
Standard Height	1070 mm / 42 in
Extended Height	1669 mm / 65.7 in

The LD100 is available in only a standard height version.

Extension Resolution		
LD5/10	0.000121 μm per encoder count	
LD30	0.000214 μm per encoder count	
LD50	0.000354 μm per encoder count	

μm = micron.

Load Cell	
Load Cell Accuracy	< +/- 0.5% of reading down to 1/100 of load cell capacity
Resolution	32-bit A/D converter
Min. Load Resolution	1 part in 10 ⁹

Extensometer Inputs	
Analog and Digital	

Data Transfer Rate to PC	
1 kHz	

Supply Voltage	
207-253 VAC at 50 Hz or 103.5-126.5 VAC at 60 Hz	

Load Measuring System	
EN ISO 7500:2015 Class 0.5 ASTM E4	

Software	
NEXYGENPlus 4	

Weight	
225 kg / 496 lb	

Operating Temperature	
10 to 40° C / 50 to 104° F	

Control Modes	
Position, Load Rate, and Strain Rate control	

Width Between Columns	
452 mm / 17.8 in	

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For detailed specifications
go to the Data Sheet at ametekttest.com

LLOYD  TM
materials testing

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