

1122

Specifications													
Testing Modes:	Tension and compression testing below and above the moving crosshead.												
Tension Load Ranges:	10 g (0.1N) to 1,000 lb (500 kg, 5 kN) through the use of interchangeable load cells (and from 1.0 g on high sensitivity).												
Compression Load Ranges:	100 g (1.0N) to 1,000 lb (500 kg, 5 kN) through the use of interchangeable load cells (and from 10 g on high sensitivity).												
Load Weighing Accuracy:	$\pm 0.5\%$ of indicated load or $\pm 0.25\%$ of load range in use, whichever is greater, on all standard load ranges.												
Crosshead Speed Range:	0.002 to 50 in/min (0.05 to 1,000 mm/min).												
Crosshead Speeds:	14 standard speeds pushbutton selectable. 15th speed selectable at any special speed within overall range.												
Speed Accuracy:	$\pm 0.1\%$ of set speed at all loads and speeds.												
Rated Load/Speed Capability:	1000 lb (500 kg, 5 kN) at speeds up to 20 in/min (500 mm/min). 400 lb (200 kg, 2 kN) at speeds up to 50 in/min (1,000 mm/min).												
Recorder System:	10 in. (250 mm) strip chart recorder.												
Pen Response:	0.5 sec. from 5% to 95% of full range.												
Chart Speeds:	Standard—1, 2, 5, 10, 20, 50 in/min (20, 50, 100, 200, 500, 1,000 mm/min). Automatic Chart (optional)—0.05 to 50 in/min (1 to 1,000 mm/min) 10 speeds pushbutton selectable and 10 speeds proportional to crosshead drive.												
Chart Servo Response:	0.5 sec. from 5% to 95% of full range. (Chart Servo optional.)												
Frame Stiffness:	100,000 lb/in (50 kN/mm) with crosshead in central position.												
Horizontal Clearance:	15.5 in. (405 mm) between leadscrews.												
Crosshead Travel:	40 in. (1020 mm) excluding load cells, grips and fixtures. 48 in. with leadscrew covers removed.												
Crosshead Guidance:	Independent crosshead guidance restricts horizontal crosshead motion to 0.003 in. in any 10 in. of travel, and 0.015 in. throughout full travel.												
Power Requirements:	Standard—120 VAC (110-130) single phase, 50 or 60 hertz, at 1,000 watts max. Optional external transformer—100, 230 or 440 VAC single phase.												
Physical Characteristics Dimensions:	<table border="1"> <thead> <tr> <th></th> <th><u>Width</u></th> <th><u>Depth</u></th> <th><u>Height</u></th> </tr> </thead> <tbody> <tr> <td>Console—</td> <td>20 in. (506 mm)</td> <td>28.5 in. (720 mm)</td> <td>40 in. (1,016 mm)</td> </tr> <tr> <td>Loading Frame—</td> <td>29 in. (704 mm)</td> <td>28.5 in. (720 mm)</td> <td>70 in. (1,770 mm)</td> </tr> </tbody> </table>		<u>Width</u>	<u>Depth</u>	<u>Height</u>	Console—	20 in. (506 mm)	28.5 in. (720 mm)	40 in. (1,016 mm)	Loading Frame—	29 in. (704 mm)	28.5 in. (720 mm)	70 in. (1,770 mm)
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Catalog Number	1122												
Model 1122 Universal Testing Instrument:													

Instron Corporation reserves the right to change specifications without notice. The performance specifications above are developed in accordance with Instron's standard procedures.



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