

DEBRIS SHIELD

Single Column and Tabletop Models



Instron® materials testing systems are designed to be as safe as possible, but some applications can pose dangers to operators because of debris or potential pinch hazards. To protect operators without decreasing usability, Instron has developed new shields for tabletop and single column systems. These shields have been designed to optimize safety, ease of use, and laboratory space.

Instron's sheet metal and polycarbonate shields encase the front of the test machine, separating the user from debris and moving parts without reducing visibility. The shield door opens to the left, providing full access to the test space. When open, the shield door increases the frame footprint slightly but does not interfere with the operator area or require the operator to step away from the frame to operate.

For an added degree of safety, the shield can be equipped with an optional magnetic interlock which prevents tests from being started with the door open, and can be configured to prevent all crosshead motion when the door is open. The 3400 and 6800 Series systems can also be configured with locking solenoids which keep the shield door closed during testing.

Single Column Shield Specifications

		CP127700	CP127701	CP127702
Compatible Frames	-	34SC, 68SC, 334X, 594X 500 N Systems	34SC, 68SC, 334X, 594X 1-5 kN E1	34SC-5E2, 68SC-5E2, 3345-E2
Shield Material	-	6.35 mm thick polycarbonate	6.35 mm thick polycarbonate	6.35 mm thick polycarbonate
Dimensions (h × w × d)	mm	775 × 340 × 375	1169 × 304 × 375	1440 × 304 × 375
	in	30.5 × 12.0 × 14.8	46.0 × 12.0 × 14.8	56.7 × 12.0 × 14.8
Distance from Frame Centerline	mm	120	120	120
	in	4.7	4.7	4.7
Specimen Port Size (h × w)	mm	760 × 300	760 × 300	760 × 300
	in	29.9 × 11.8	29.9 × 11.8	29.9 × 11.8
Width when Open	mm	610	610	610
	in	24.0	24.0	24.0
Compatible Interlock	6800	CP127520	CP127520	CP127520
	3400	CP127520	CP127520	CP127520
	5900	CP126001	CP126001	CP126001
	3300	CP126495	CP126495	CP126495
Compatible Interlock and Solenoid	6800	CP127522	CP127522	CP127522
	3400	CP127522	CP127522	CP127522



Single Column Shield Fully Encloses Test Space



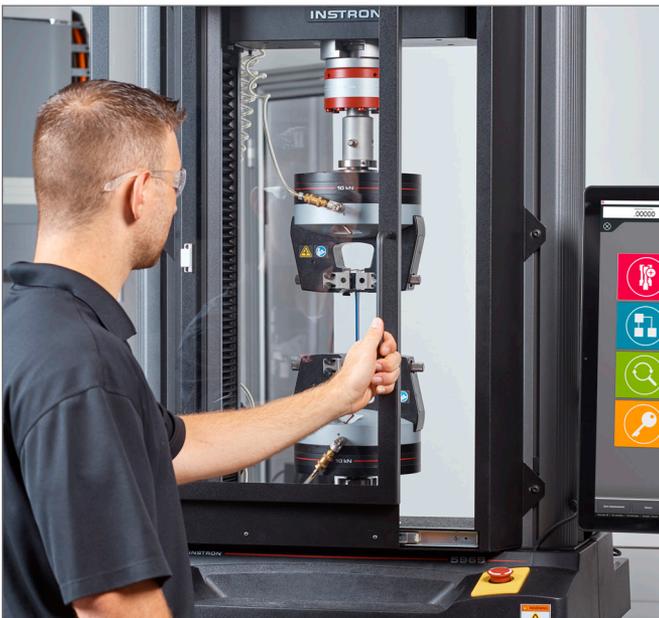
Single Column Shield Fully Encloses Test Space



Single Column Shield Fully Encloses Test Space

Table Model Shield Specifications

		CP129040	CP127246	CP129044	CP126003
Compatible Frames	-	68TM E1 F1	34TM, 336X, 596X E1 F1	68TM E2 F1	34TM, 336X, 596X E2 F1
Shield Material	-	6.35 mm thick polycarbonate			
Dimensions (h × w × d)	mm	1392 × 631 × 777	1392 × 631 × 777	1892 × 631 × 777	1892 × 631 × 777
	in	54.8 × 24.8 × 30.5	54.8 × 24.8 × 30.5	74.5 × 24.8 × 30.5	74.5 × 24.8 × 30.5
Distance from Frame Centerline	mm	140	140	140	140
	in	5.5	5.5	5.5	5.5
Specimen Port Size (h × w)	mm	845 × 440	845 × 440	845 × 440	845 × 440
	in	33.3 × 17.3	33.3 × 17.3	33.3 × 17.3	33.3 × 17.3
Width when Open	mm	1031	1031	1031	1031
	in	40.6	40.6	40.6	40.6
Compatible Interlock	6800	CP127521	CP127521	CP127521	CP127521
	3400	CP127521	CP127521	CP127521	CP127521
	5900	CP126001	CP126001	CP126001	CP126001
	3300	CP126495	CP126495	CP126495	CP126495
Compatible Interlock and Solenoid	6800	CP127523	CP127523	CP127523	CP127523
	3400	CP127523	CP127523	CP127523	CP127523



Tabletop Shield Slides Open



Tabletop Shield in Open Position

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