





INSTRON 5982 (Electromechanical UTM)

Maximum capacity:	100kN		
Testing speed range:	0.00005 to 1016mm/min		
Vertical Test Space (exclude fixture):	1430mm		
Horizontal Test Space:	575mm		
Grips (Flat) Thickness X Width:	20 x 75mm		
Grips (Rod) Diameter Range:	Ø6 - 17.8mm		
Built-in Strain Measurement			
Extensometer:	25mm gauge length		
Quarter-bridge strain gauge:	120Ω, 4 channels		
Advanced Video Extensometer (AVE)	Axial and Transverse strain		
Digital Image Correlation (DIC)	Maximum 50 fps		
Preloaded testing procedures			
Fibre Composites:	ASTM D3039/D3039M (Tension)		
	ASTM D2344/D2344M (Compression, 3-points bending)		
	ASTM D7249/D7249M (Compression, 4-points bending)		
Metal to Metal Adhesive Bonding:	ASTM D1002 (Tension)		
Plastics:	ASTM D638 (Tension)		
Metallic Materials:	ASTM E8/E8M (Tension)		
For other non-standard testing procedure and fixture, please consult with IC staff.			
Test result output format:	PDF, MS Excel (xls and csv)		