

**Product Name :**  
Civil Lab Structures Equipment Laboratory

**Product Code :**  
ASTRALAB-SUPPLYA87001



**Description :**

Civil Lab Structures Equipment Laboratory

**Technical Specification :**

Continuous And Indeterminate Beams Apparatus

Interface Unit

Bending Stress In A Beam Apparatus

Shear Force And Bending Moment Computer Interface

Forces in a Truss (Resolution)

Simple Suspension Bridge Computer Interface

Suspension Cable Demonstration

Influence Line Apparatus

Two Hinged Arches

Universal Frame and Stand

Deflection Of Beams And Cantilevers

Unsymmetrical Cantilever Computer Interface

Forces In Truss Computer Interface

Torsion And Bending

Structures Test Frame

Redundant Truss

Deflection of Frame

Deflection Of Frames Computer Interface

Plastic Deflection Of Beam Apparatus

Area Moment Method

Statics Work Panel

Three Hinged Arch Computer Interface

Deflections of Beams

Digital Force Display

Strain And Stress Of Material

Fixed Arch

Shear Force Computer Interface

Continuous Beam Computer Interface

Bending Moments in a Beam Apparatus

Three Dimensional Equilibrium

Deflection Of Curved Bars Computer Interface

Area Moment Method Computer Interface

Equilibrium of Forces

Loading And Buckling Of Struts

Frame Bench And Floor mounted

Column Buckling

Redundant Truss Apparatus

Strain And Stress Of Material Computer Interface

Suspended Centre Span Bridge

Torsion of Rods and Tubes

Bench Mounted Frame

Equilibrium of Parallel Forces

Virtual Work

Tensile Modulus Of Elasticity  
Buckling of Struts Equipment  
Automatic Data Acquisition Unit  
Equilibrium Of A Rigid Body  
Shear Center  
Torsion Of Circular Sections  
Torsion Of Rods And Tubes Computer Interface  
Virtual Work Computer Assist  
Plastic Bending of Portals  
Equilibrium Of A Beam Apparatus  
Shear Force In A Beam  
Plastic Deflection of Portal  
Continuous Beam  
Simple Suspension Bridge  
Two Hinged Parabolic Arch Computer Interface  
Unsymmetrical Bending And Shear Centre Apparatus  
Frame Deflections And Reactions  
Pin Jointed Frameworks Apparatus  
Parabolic Arch Fixed Ends Computer Interface  
Suspension Bridge Apparatus



## **Astra Scientific**

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