

## **STRUCTURAL MODELS**

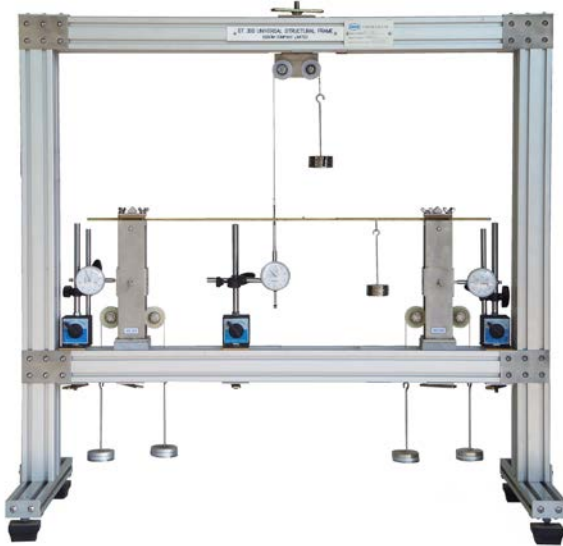
Equipment for experiments on STRUCTURES consists of two main parts, accessories for specific experiment and ST300 Universal Structural Frame or ST305 Universal Base Frame for attachment of the accessories. Many accessories common for various experiment.

### **ST 322 AREA MOMENT METHOD**

#### **DESCRIPTION :**

The equipment is used for verification of the deflections and slopes of a beam by area-moment method. It is to be used with ST300 Universal Structural Frame (separately supplied).

The beam has two moment supports with a knife edge. The support allows longitudinal travel of the beam. Each support has a rotating arm. The arm rotation is monitored by a dial indicator. The moment is applied and measured by load on the rotating arm. The beam deflection is measured by a dial indicator.



#### **TECHNICAL DATA :**

- Beam Steel : 2 ea.
- Aluminum : 1 ea.
- Brass : 1 ea.
- Vertical displacement shim (for cantilever test) : 1 ea.
- ST 115 Moment Supports : 2 ea.
- Pulley for upward loading : 1 ea.
- Load hangers : 2 ea.
- Weights : 1 lot.
- ST131 Dial Indicator : 1 ea.