

## 3 Meter Cube Smoke Test Apparatus



This unit was first developed by London Transport Scientists in England. In 1990 they took delivery of a 3 Metre Cube. The 3 Metre Cube is used for measuring smoke emission when electric cables are burned under defined conditions, for example, a few cables burned horizontally. The equipment comprises a cubic enclosure and a photometric system.

These units are produced to meet the specification used in many electric cable tests. The unit can be supplied in a self-assembly kit form or can be fully installed by SA Associates. The unit is made of Zintec steel sheet and can be supplied with customized extraction facilities and all instrumentation, fans, stands and sample mounting frames. The photometric system can be supplied separately.

### **The Unit comprises:**

3 Metre Cube assembly.

Photometric system, stands, fans and sample mounting frames.

Extraction fan.

Full PC with Dedicated Software.

Measurement of smoke density of electric cable under fire conditions conforming to IEC: 1034-1, 1034-2 BS 6853.

3 meter Cube Smoke Density Chamber as per Draft iS: ETDC-59 (2240/63) & UITP.