

### 3. OPERATION

#### 3.1 GENERAL

These instructions should be read through carefully before attempting to use the instrument.

**Ventilation:** The instrument may be operated in almost any attitude without over-heating. It is, however, recommended that the instrument is not used for more than two consecutive hours when stood on its rear face. Always ensure that the ventilation holes in the top and bottom of the Display Unit are unobstructed.

**Plug-On Modules:** X and Y plug-on modules may be removed from the Display Unit (bench or rack mounted) by unscrewing the knurled, slotted screw on the inner edge of the plug-on. Hold the Display Unit with one hand and slide the Plug-On Module forward with the other hand until the guide and guide rail disengage. Fitting is the opposite to removal. Always ensure that the module is fully engaged and slotted screw is tight. Switch off supplies when changing modules.

A fold-away support stand, mounted beneath the Display Unit may be used to provide the optimum angle of viewing for bench operation.

**Rack Mounting:** Bench mounted instruments may be readily adapted for rack mounting. Remove the feet and lower cover. Slide the instrument into the rack mounting accessory, locate and secure from beneath using four screws. Fit blanking panels as required.

**Carrying Handle:** A carrying handle is fitted to the Display Unit and is unobtrusively hinged round the upper part of the c.r.t. escutcheon when not in use.

#### 3.2 POWER SUPPLY CONNECTIONS

Four operating voltage ranges are available, 95-113V a.c., 110-125V a.c., 190-225V a.c. and 220-257V a.c.

The required range is selected internally at the power transformer tapplings (117V and 234V nominal) and switched externally by means of a HIGH/LOW switch at the rear of the Display Unit. Details of power supplies are shown in Table 1.

TABLE 1. POWER SUPPLIES

Power Transformer Tappings	Rear Switch Position	
	LOW	HIGH
234V	190-225V	220-257V
117V	95-113V	110-125V