

## 5. SPECIFICATIONS

### Eight channels with specifications as follows:-

Input impedance	—	$1\text{M}\Omega // 20\text{pF}$
Max. working voltage	—	$\pm 6\text{V}$
Max. overload voltage	—	250V for 10 secs.
Input coupling	—	D.C.

### Attenuator (operates on all channels simultaneously)

Four position	—	X100, X50, X20, Ground
Accuracy	—	typically better than $\pm 3\%$

### Multiplexer

Modes	—	8 channels; upper 4 channels; lower 4 channels; any single channel.
DC separation	—	100mV/channel in 8 channel and 4 channel modes.
Separation accuracy	—	typically better than $\pm 3\%$
Multiplexing rate	—	20kHz to 1.2MHz fully variable

### Vertical output

Through bandwidth	—	35MHz ( $-3\text{db}$ ) at 1V pk-pk input
Max. slew rate	—	$+300\text{V}/\mu\text{sec}$ , $-200\text{V}/\mu\text{sec}$ referred to input
Output impedance	—	$50\Omega$

### Trigger output

Source	—	switch selectable from any input
Level	—	equal to input level
Output impedance	—	$50\Omega$

### Blanking output (need not be used)

Pulse width	—	300nsec typical
Polarity	—	positive, internally adjustable to negative.
Level	—	$>10\text{V}$
Output impedance	—	$600\Omega$ typical

### Power requirements

Voltage	—	110, 120, 220, 240V $\pm 10\%$ 48-63Hz
Safety	—	IEC class 1

### Mechanical details

Dimensions	—	230 x 230 x 90mm(9 x 9 x $3\frac{1}{2}$ " )
Weight	—	1.3kg (2.8lb)