



## VM 3118

12" high-resolution  
monochrome multisync-videomonitor



### CRT

- 12" diagonal, deflection angle 110°, etched tube
- Phosphor P4 white, medium-short persistence
- Display area 220 mm x 165 mm (4x3)
- Resolution approx. 1500 TV-Lines at a luminance of 68.5 cd/m<sup>2</sup> in the middle of the picture
- luminance approx. 250 cd/m<sup>2</sup> at middle brightness, approx. 500 cd/m<sup>2</sup> max. brightness

### Deflection

- 6 frequencies preadjustable in the range of:  
Horizontal 15 kHz...40 kHz  
Vertical 40 Hz...120 Hz
- Automatic Sync-switch between intern and extern
- Composite Sync
- Separate H- and V-Sync-signals
- Automatic scan of pos.- neg.-Sync-signals
- VCR-Sync-switch on the frontpanel
- Geometry distortion better than 2%
- Linearity distortion better than 2% within the vertical circle and 3% outside

### Video Amplifier

- Linear analogue wide-band amplifier
- Video input 1 V<sub>ss</sub> positiv / 0,3 V Sync
- Impedance switchable 1 k $\Omega$  / 75  $\Omega$
- Video loop through
- Bandwidth 50 MHz -3 db typ.
- Contrast ratio 1:10

### High Voltage

- 17 kV, stabilized
- Focus static and double dynamic

### Video Input

- BNC-connectors for Video- and Sync-signals

### Power Supply

- Mains voltage: 10 VAC / 230 VAC  
50 Hz / 60 Hz
- Power consumption: approx. 80W

### Environmental

- Working temperature: +10 ...+40°C
- Storage temperature: -40 ...+55°C
- Humidity: < 80%, non condensing
- Altitude max.: 3000 m operating

### Security

- acc. VDE 0750 / IEC 601
- X-Radiation < 0,5 mR/h acc. RÖV 1973

