



## VM 2428

9" high-resolution monochrome videomonitor



### CRT

- 9" diagonal, deflection angle 90°, etched tube
- Phosphor P4 white, medium-short persistence
- Display area 180 mm x 135 mm (4x3)
- Resolution approx. 1300 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

- Horizontal 15 kHz...40 kHz (factory adjusted)
- Vertical 40 Hz...120 Hz (factory adjusted)
- Automatic Sync-switch between intern and extern
- Composite Sync
- Seperate 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
- Bandwith 40 MHz -3 db typ.
- Contrast ratio 1:10

### High Voltage

- 14 kV, stabilized
- Focus static and double dynamic

### Video Input

- BNC-connector for Video- and Sync-Signals
- Signalground earth connected or seperated from protective conductor (100 k $\Omega$  parallel 100 nF), switchable

### Power Supply

- Mains voltage 110 V AC / 230 V AC, rearside switchable 50 Hz / 60 Hz
- Power consumption about 50 W

### 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

