

# FUCHS Dynamische Messtechnik GmbH

## Dual Trace Videoscope Model 3002

<b>Specifications</b>	
Displays:	12 inch diagonal (30 cm)
Phosphor:	P—1 (medium persistence-green)
Graticules	Molded plastic, 1,5 cm/div., 12 vertical, 16 horizontal
De-flections	Magnetic
Acceleration Voltage:	11 kV
<b>Horizontal</b>	
Sensitivity:	Continuously adjustable from 0,1 to over 10V/div.
Impedance:	> 320 kOhms
Bandwidth:	DC to 1,5 kHz
Coupling:	Switch able ac~dc (when ac coupled, max. dc voltage plus ac peak not to exceed 200 V)
Linearity:	3 %
Input Connector:	BNC, front panel
Drift:	Typically less than 1/2 div. for 8 hours (at a constant temperature after 1/2 hour warm—up)
Protection Circuit	Prevents burnout of CRT by blanking the beam when horizontal signal is less than appr. 4 div. (50 Hz rate)
<b>Vertical</b>	
Modes (Dual trace version only):	Channel A, Channel B or alternating at 1/2 horizontal rate
Sensitivity:	4 Position step attenuator for 1,10 and 100 mV and IV/div. continuously variable vernier between steps
Impedance:	> 350 kOhms
Bandwidth:	DC to 15 kHz
Coupling:	Switch able AC-DC (when ac coupled, max. dc voltage plus ac peak not to exceed 200 V)
Linearity:	5% (center 10 div. )
Input Connector:	BNC, front panel
Drift:	Typically less than 1/2 div. for 8 hours (at a constant temp, after 1/2 hour warm up)
Polarity:	Front panel switch for inversion of vertical signal
<b>Intensity Modulation (Z-Axis)</b>	
Sensitivity:	+/- 2V pulse will produce a bright spot on the display. Separate rear panel control adjusts 2 input caused intensity independent of front panel control.
Input Impedance:	20 kOhms
Bandwidth:	Flat dc to 1 MHz, 3 dB down at 3,5 MHz, 10 dB down at 10 MHz
Polarity:	Positive going voltage intensifies the trace. Internally changeable for positive blanking.
Input Connector:	BNC at rear panel
<b>Marker Adder</b>	
Input Signal:	Pulse or birdy
Sensitivity:	Typically 0,5 V/div. (continuously adj. with rear panel control)
Polarity:	Rear panel switch provides polarity reversal
Input Impedance:	Appr. 15 kOhms
<b>General</b>	
Dimensions:	35,00 cm wide ; 38,00 cm high ; 38,50 cm deep
Dimensions (without housing):	29,5 cm wide ; 24,8 cm high ; 42,0 cm deep
Weight:	12 kg
Power:	230 V +/- 10 %,50 Hz: appr. 75 watts