

# DEVELOPMENT SAMPLE DATA

This information is derived from development samples made available for evaluation. It does not form part of our data handbook system and does not necessarily imply that the device will go into production

L14-111GH/55

## INSTRUMENT CATHODE-RAY TUBE

14 cm diagonal, rectangular flat-faced direct-view storage tube with variable persistence and internal graticule, intended for oscilloscope applications.

### QUICK REFERENCE DATA

Final accelerator voltage	$V_{g10(l)}$	8,5	kV
Display area (10 x 8 divisions of 9 mm)		90 x 72	mm <sup>2</sup>
Deflection coefficient			
horizontal	$M_x$	9,5	V/div
vertical	$M_y$	4,1	V/div
Writing speed		2,5	div/ $\mu$ s

### SCREEN

Metal backed phosphor

	colour	persistence (non-store mode)	persistence (store mode)
L14-111GH/55	green	medium-short	variable

blue binder, tab 4

Useful screen dimensions	min.	90 x 72	mm
Useful scan			
horizontal	min.	90	mm
vertical	min.	72	mm
Spot eccentricity in horizontal and vertical directions	max.	6	mm

The scanned raster can be shifted and aligned with the internal graticule by means of correction coils fitted around the tube by the manufacturer.

### HEATING

#### Writing section

Indirect by a.c. or d.c.; parallel supply

Heater voltage	$V_f$	6,3	V
Heater current	$I_f$	300	mA

#### Viewing section

Indirect by d.c.; parallel supply

Heater voltage	$V_{f'}$	6,3	V
Heater current	$I_{f'}$	300	mA
Heater voltage	$V_{f''}$	6,3	V
Heater current	$I_{f''}$	300	mA

*Verwilt:  
Maart '79*



**PHILIPS**

February 1978



**MECHANICAL DATA****Mounting position** any

The tube should not be supported by the base alone and under no circumstances should the socket be allowed to support the tube. The tags near the screen should not be subjected to mechanical stress.

**Net mass** approx. 1,1 kg**Base** 14 pin, all glass**Dimensions and connections**

See also outline drawing, pages 4 and 5

Overall length (socket included) max. 445 mm

Face dimensions max. 100 x 120 mm

**Accessories**

Socket (supplied with tube) type 55566

Side contact connector (14 required) type 55561

**FOCUSING** electrostatic**DEFLECTION** double electrostatic

x-plates symmetrical

y-plates symmetrical

Angle between x and y-traces 90°

Angle between x-trace and x-axis of  
the internal graticule 0°

See also Correction coils