

INSTRUMENT CATHODE-RAY TUBE

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

QUICK REFERENCE DATA

Final accelerator voltage	$V_{g10} (\ell)$	8,5	kV
Useful scan (10 x 8 divisions of 9 mm)		90 x 72	mm
Deflection coefficient, horizontal	M_x	9,5	V/div
vertical, system 1	$M_{y'}$	8,5	V/div
vertical, system 2	$M_{y''}$	8,5	V/div
Overlap of the systems		100	%
Writing speed		1	cm/ μ s

SCREEN

Metal-backed phosphor

	Colour	Persistence (non-store mode)	Persistence (store mode)
L14-130GH/55	green	medium short	variable

Useful screen dimensions	min.	90 x 72	mm
Useful scan, horizontal	min.	90	mm
vertical (each system)	min.	72	mm
overlap		100	%
Spot eccentricity in horizontal direction	max.	6	mm
in vertical direction	max.	9	mm

The scanned raster can be 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

Blue Binder, Tab 4