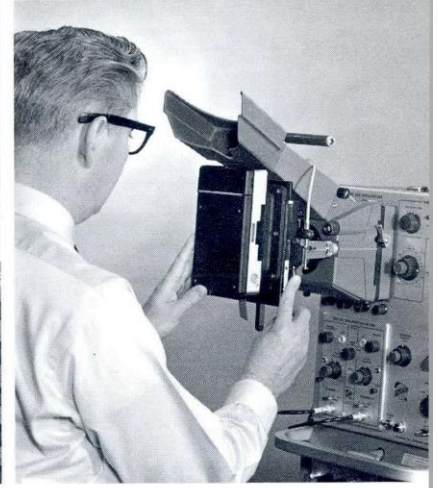
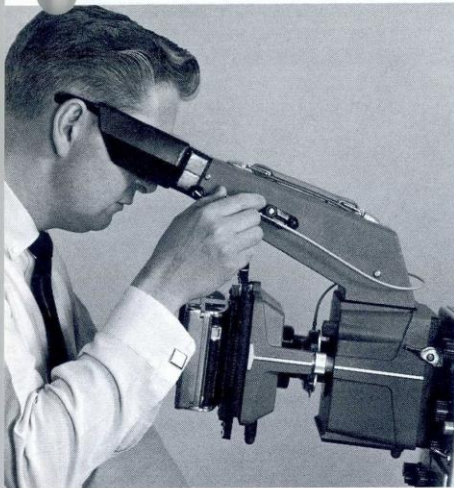


Spec. Tek C12 cat. 65

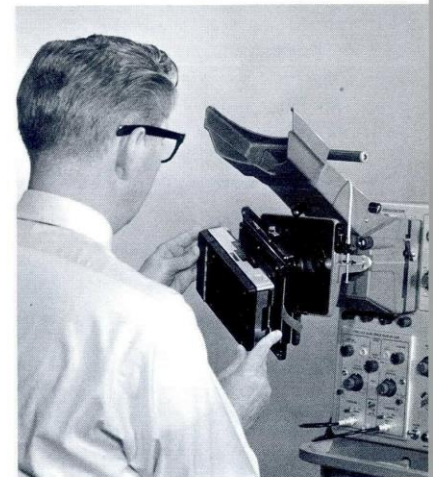


Type C-12 & C-27 Cameras

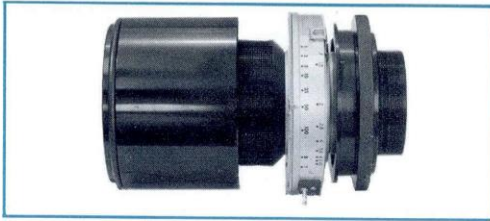


DESIGN FEATURES

- Lift-On Mounting and Swing-Away Hinging—unrestricted crt viewing for normal oscilloscope operation
- Easily-Accessible Shutter Controls—no groping or camera removal necessary for adjustment
- Comfortable Binocular Viewing—with or without glasses
- Locking Focus Control—quick adjustment for use on more than one oscilloscope
- Sliding Back—nine positive detent positions for multiple exposures
- Rotating Back—horizontal or vertical mounting for most efficient use of film



Cameras



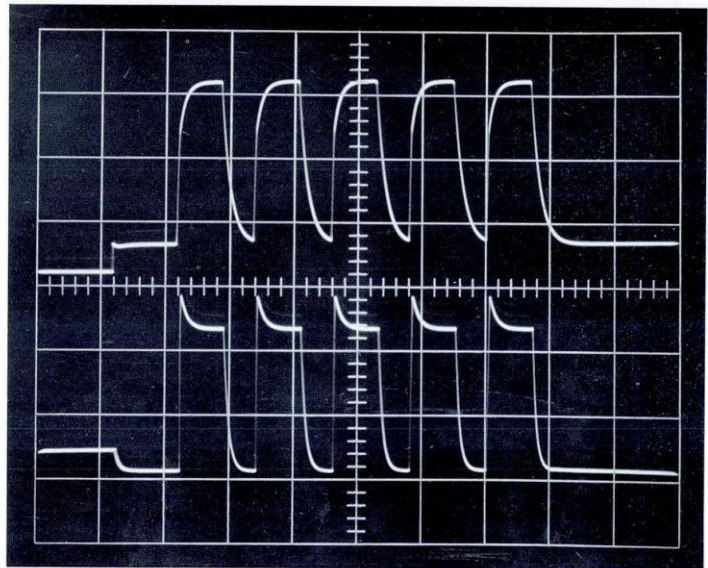
A WORD ABOUT LENSES

Seven interchangeable lenses are available for use with the Polaroid¹ Land or Graflok² Film Backs. The wide range of object-to-image ratios and maximum apertures permits selection of the lens which is most right for your application.

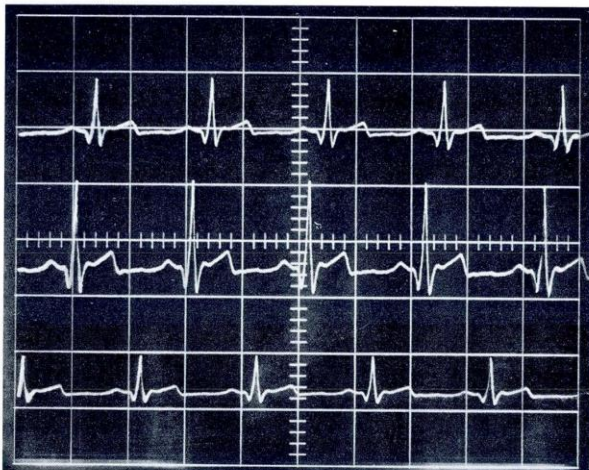
Lens optics are designed to meet the strict requirements of precision oscillography: flat field, low distortion, and high resolution even at maximum aperture openings.

Lenses are set for precise object-to-image ratios in prefocused mounts, for easy interchange in camera.

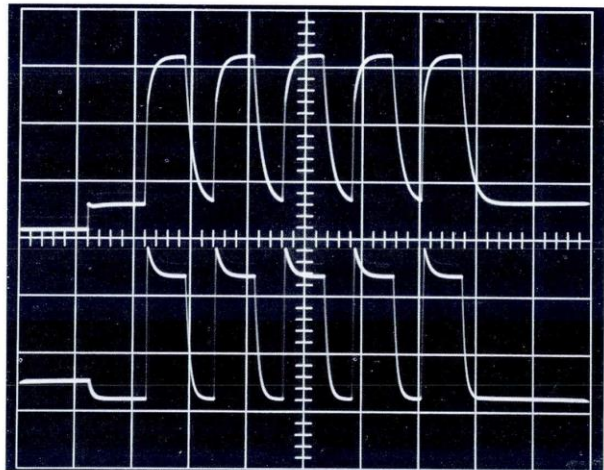
*Writing Rate Factor (WRF) is an arbitrary indication of the relative light-gathering capability of the various lenses. A WRF of 4 indicates four times as much light-gathering ability as a WRF of 1.



PRECISE FULL-SIZE IMAGE & HIGH WRITING RATE
 —f/1.4, 1:1 object-to-image ratio . . . for precise full-size records . . . measurements can be scaled directly off photograph with maximum resolution . . . WRF* of 7.



GENERAL PURPOSE—f/1.9, 1:0.85 object-to-image ratio . . . image brightness sufficient for most applications. When photographing 8 x 10 cm graticules or 10 x 10 division graticules, such as used on Tektronix Types 570, 575, and 536, we recommend use of the f/1.9, 1:0.85 lens to provide the largest size image that will still fall within the maximum recording area of 3 1/4 x 4 1/4 size Polaroid film . . . WRF* of 4.

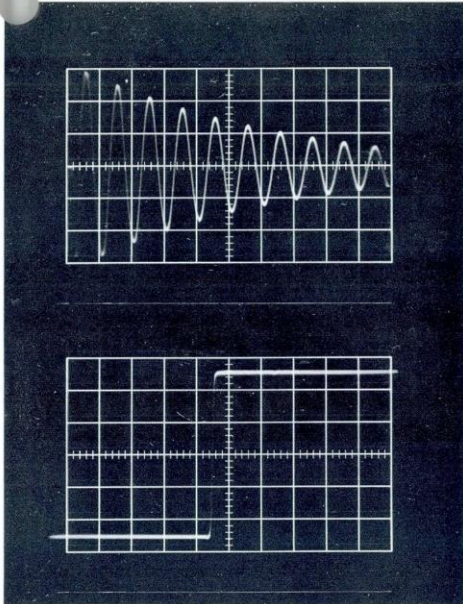


GENERAL PURPOSE—f/1.9, 1:0.9 object-to-image ratio . . . image brightness sufficient for most applications . . . records up to 8 x 10-cm graticule on 3 1/4 x 4 1/4 film with maximum resolution . . . WRF* of 4.

¹Registered Trade-Mark Polaroid Corporation

²Registered Trade-Mark Graflex, Inc.

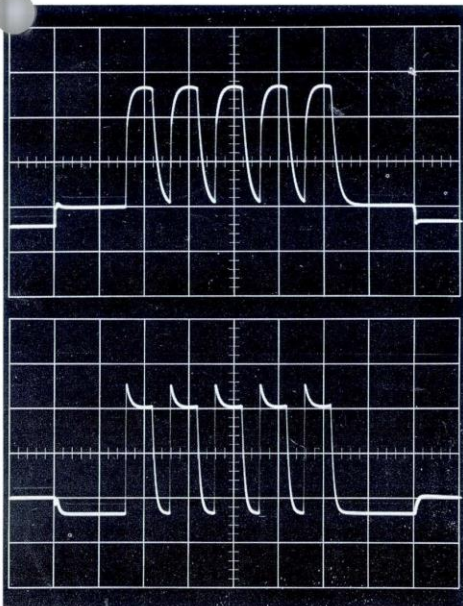
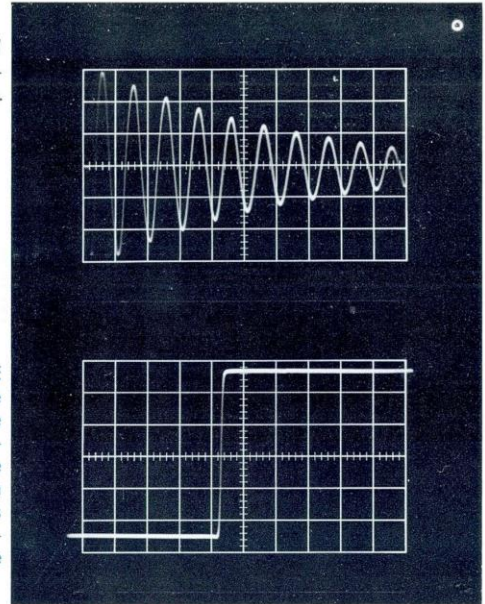
Cameras



Photographs taken under identical conditions illustrate relative writing-rate capabilities of the two lenses.

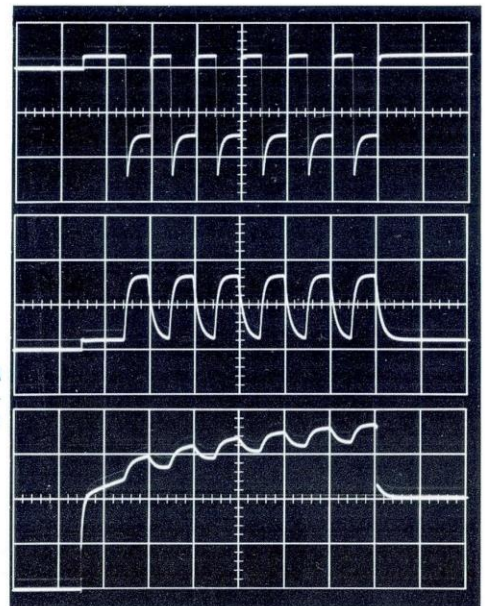
HIGH WRITING RATE— $f/1.9$, 1:0.5 object-to-image ratio . . . for high writing rate applications such as single-shot photography of fast transients . . . recommended for use with Tektronix Type 519 and 580-Series Oscilloscopes . . . WRF* of 6.

ULTRA-HIGH WRITING RATE— $f/1.3$, 1:0.5 object-to-image ratio . . . for applications where writing rate is the prime consideration . . . advances the state of the art and in combination with the C-27 Main Frame makes possible the recording of higher-speed phenomena than before . . . WRF* of 12.

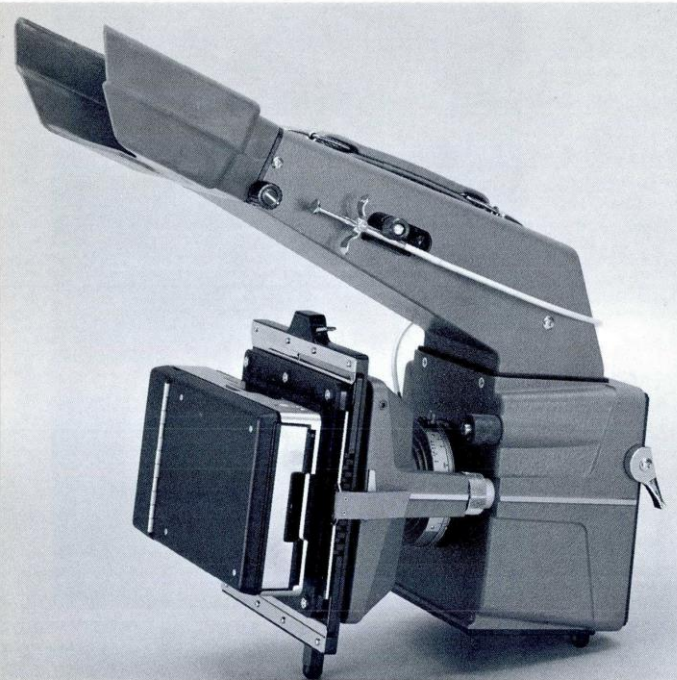


FILM & LENS ECONOMY— $f/4.5$, 1:0.7 object-to-image ratio . . . for economy of price and efficient use of film where high writing rate is not required . . . 3 records of 4 x 10-cm graticule, or 2 records of 6 x 10-cm graticule on $3\frac{1}{4}$ x $4\frac{1}{4}$ film . . . WRF* of 1.

FILM ECONOMY & MEDIUM WRITING RATE— $f/1.9$, 1:0.7 object-to-image ratio . . . efficient use of film . . . WRF* of 5.



Cameras



STANDARD C-12 CAMERA

The C-12 Camera is ideally suited for general-purpose trace recording. A beam-splitting mirror provides the operator with an on-axis binocular view of the crt display, and also allows use of the Projected Graticule accessory (see facing page). The f/1.9—1:0.9 lens supplied with the standard C-12 offers the ideal compromise of writing rate and image size (up to 8 x 10 cm coverage) in a moderately-priced camera. The Polaroid Land Pack-Film Back offers convenient loading and picture development outside the camera. Dimensions overall 15 3/8" high by 7 1/2" wide by 17 1/4" long. Net weight is 12 3/4 pounds. Shipping weight is approximately 15 pounds.

C-12 CAMERA \$450

Each camera includes: 1—cable release (122-0586-00), 1—focus plate (387-0893-00), 2—instruction manuals (070-0383-00).

ROLL-FILM CAMERA identical to the Standard C-12, except a Polaroid Roll-Film Back is substituted for the Pack-Film Back.

C-12-R CAMERA \$450

ELECTRICALLY-ACTUATED* CAMERA identical to the Standard C-12, but with a shutter actuator and built-in power supply.

C-12-S CAMERA \$605

ELECTRICALLY-ACTUATED* CAMERA with Roll-Film Back combines features of the C-12-R and C-12-S, above.

C-12-RS CAMERA \$605

CUSTOM C-12 CAMERAS

LENS (Writing rate factor compared to Standard f/1.9, 1:0.9 lens)	SHUTTER ACTUATOR and BUILT-IN POWER SUPPLY*	POLAROID FILM BACK	ORDER NO.	PRICE
FILM ECONOMY & MEDIUM WRF—f/1.9, 1:0.7 Records two 6 x 10-cm or three 4 x 10-cm graticules on each film. Writing rate factor 1.25X Standard Lens.	No	Pack Film	C-12-547	\$470
	Yes	Roll Film	C-12-547 R	470
HIGH WRITING RATE—f/1.9, 1:0.5 Records fast-writing displays such as single-shot transients. Writing rate factor 1.5X Standard Lens.	No	Pack Film	C-12-549	490
	Yes	Roll Film	C-12-549 R	490
FILM & LENS ECONOMY—f/4.5, 1:0.7 Records two 6 x 10-cm or three 4 x 10-cm graticules on each film. Writing rate factor .25X Standard Lens.	No	Pack Film	C-12-550	395
	Yes	Roll Film	C-12-550 R	395
PRECISE FULL-SIZE IMAGE & HIGH WRITING RATE—f/1.4, 1:1 Records full-size image of 8 x 10-cm graticule (on 4 x 5 film with Graflok Back). Writing rate factor 1.75X Standard Lens.	No	Pack Film	C-12-608	565
	Yes	Roll Film	C-12-608 R	565
ULTRA-HIGH WRITING RATE—f/1.3, 1:0.5 Where writing rate is prime consideration Records two 6 x 10-cm graticules on each film. Writing rate factor 3X Standard Lens.	No	Pack Film	C-12-662	615
	Yes	Roll Film	C-12-662 R	615
GENERAL-PURPOSE—f/1.9, 1:0.85 Complete 8 x 10-cm graticule is always positioned within exposable area of 3 1/4 x 4 1/4 film. Writing rate factor same as Standard C-12.	No	Pack Film	C-12-692	450
	Yes	Roll Film	C-12-692 R	450
	No	Pack Film	C-12-692 S	605
	Yes	Roll Film	C-12-692 RS	605

Any Tektronix Standard or Custom Trace-Recording Camera can be ordered less back. Use suffix 'G' after the Order Number and deduct \$80 from the price. 4 x 5 and 2 1/4 x 3 1/4 Graflok Backs and accessories are shown on page 245.

*Power supplies are normally wired for 115 v. For 230 v add suffix 'B' to the Order Number. Price for either is the same.

All cameras are sold less mounting bezel; order from page 244.

Cameras

PROJECTED GRATICULE for the C-12 Camera

The Projected Graticule eliminates parallax, one of the most common problems in viewing and photographing waveforms on an external graticule.

Parallax is the apparent displacement of the trace in relation to the graticule. Error is introduced since the graticule and crt phosphor are on different planes.

To eliminate parallax, a virtual image of the graticule is presented at the crt phosphor plane as viewed by the operator and as projected to the camera film plane.

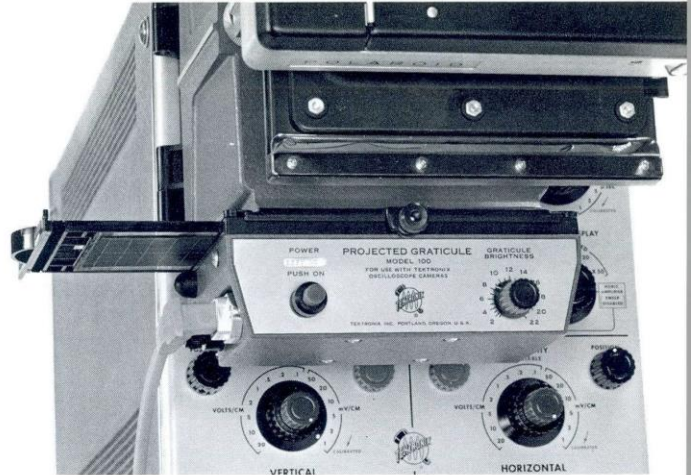
Special graticules, reference waveforms, or any image that can be recorded on a film transparency, can be superimposed on the crt display. The transparency is held in a slide holder and is easily slipped in and out of the Projected Graticule case, making possible rapid change of graticule slides.

The projected graticule provides up to an 8 x 10-cm projection, a portion of which can be used for write-in data. Colored filters can be inserted to match or contrast the projection with the crt phosphor.

The light source is indexed in $\approx 1/2$ f stop increments for use as a film exposure guide. This source can also be used for precise prefogging of film for increased sensitivity in fast writing-rate applications.

Power requirements are 90 to 130 v, or 180 to 260 v, 50 to 440 cps.

Although the Projected Graticule case is small (it adds only 2 1/4" to camera height), clearance problems exist with the Type 81 Adapter and a few plug-in unit/probe combinations. If in doubt about compatibility, please consult your Tektronix Field Office or Representative.



PROJECTED GRATICULE for 115 volts (016-0204-00) . . . \$160
 PROJECTED GRATICULE for 230 volts (016-0234-00) . . . \$160

Includes: 1—power cord (161-0015-00), 1—3 to 2-wire adapter (103-0013-00), 1—graticule film, 4 x 10 cm with write-in area and short minor lines (331-0117-00), 1—graticule film, 6 x 10 cm with write-in area and short minor lines (331-0111-00), 1—graticule film, 8 x 10 cm without write-in area, but with full minor lines (331-0119-00), 1—graticule mask, 4 x 10 cm (331-0118-00), 1—graticule mask, 6 x 10 cm (331-0116-00), 1—instruction manual (070-0402-00).

OPTIONAL GRATICULE FILMS and MASKS . . \$0.85 each

331-0126-00	331-0123-00	331-0137-00	331-0122-00	
331-0119-00	331-0131-00	331-0117-00	331-0136-00	
331-0130-00	331-0124-00	331-0120-00	331-0127-00	
331-0111-00	331-0125-00	331-0121-00	331-0128-00	

GRATICULE SLIDES
 \$3 each
 Amber Window 122-0669-00
 Blue Window 122-0667-00
 Green Window 122-0668-00