

the Nikon
“self-compensating”
meter system
with automatic
lens indexing



PHOTOMIC FT_N

It is natural that the most progressive 35mm system should develop the most reliable means for exposure control. This is one of the areas in which the ability to interchange viewfinders endows the Nikon F with the assurance of continuing advancement.

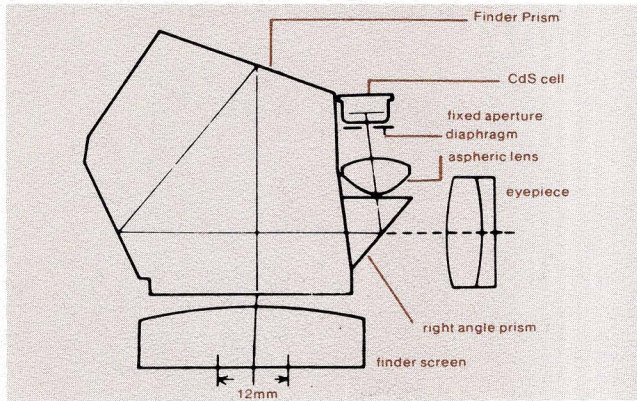
The Photomic FT_N employs the “center-weighted” principle of brightness measurement innovated with its predecessor, the T_N. Use of this principle virtually eliminates exposure errors characteristic of averaging meters when faced with such problems as backlighting and when the subject is contrasted against a brilliant beach, snow, or sky. It gets you through the preliminaries faster — provides easier, more reliable exposure control in any situation. And it maintains the full advantage of automatic diaphragm action with its constantly bright finder image.

In addition, the FT_N offers important new features. Automatic indexing of ASA setting and lens aperture to facilitate interchanging of lenses. Shutter speed “readout” in viewfinder. 2-second and 4-second exposure measurements, where required. Preset compensation for transmission differences in certain, special finder screens.

Cameras equipped with Photomic FT_N accept all other Nikon F finders interchangeably. Camera bodies with serial numbers below 6900001 require some adaptation to accept the FT_N.

PHOTOMIC FTN FEATURES

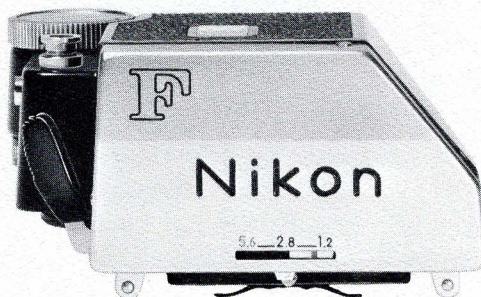
Measures subject brightness at plane of focus Two CdS cells, located in prism housing, read brightness of scene on viewfinder screen, where image is in focus. Each cell is mounted behind a directional optical system comprising right-angle prism, aspheric lens element and fixed-aperture diaphragm.



"Center-weighted" response FTN meter system receives about 60% of its exposure information from circular 12mm area in center of screen. From this area outward, meter sensitivity diminishes rapidly toward screen edges. Effect is virtually automatic compensation for brightness differences between central subject and surrounding area (e.g. backlighting, brilliant beach and snow scenes, etc). Also provides more reliable readings with wide-angle lenses which tend to cause a natural falloff in screen brightness toward the edges.



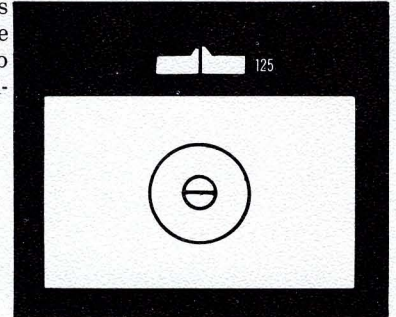
Pincer-type clamp with convenient release lever attaches FTN snugly and securely to Nikon F body.



Automatic lens indexing Eliminates need to reset ASA for maximum aperture when changing lenses. Attaching the lens aligns the two, automatically. ASA/aperture alignment is shown on index scale on front of FTN housing.



Cross-coupled Either the aperture ring or the shutter speed dial may be used to center the meter needle, visible in the finder and in the window on top of the FTN housing. Selected shutter speed is also visible in the finder. Auto-Nikkor lenses remain wide open during exposure setting, maintaining full advantage of automatic diaphragm action. FTN also permits stop-down measurements, with non-automatic lenses and when bellows or extension tubes are used. Meter needle also serves as battery condition indicator.



2-second and 4-second exposures Needle centered with shutter set at "B" indicates need for 2-second exposure; with shutter at "T," 4-second exposure.

Screen transmission compensation FTN may be preset to compensate for transmission differences characteristic of certain, special finder screens. Eliminates factor calculations.

SPECIFICATIONS

Measuring Range	LV 2 to 17 with f1.4 lens LV 1.5 to 16.5 with f1.2 lens	based on ASA 100
Lens Apertures	F1.2 to f32	
Shutter Speeds	4 seconds to 1/1000th	
Film Speeds	ASA 6 to 6400	
Batteries	2 mercury 1.3V (Mallory PX-13 or equivalent)	
Battery Tester	built into "meter off" switch	

Specifications subject to change without notice