

# ANV-20/20

## NVD INFINITY FOCUS SYSTEM

NSN: 6625-01-431-8615

The ANV-20/20 is a compact, battery operated, field deployable system designed to provide the NVD user with an accurate means of performing infinity focus and mechanical adjustment.

This unique system presents a resolution pattern at true infinity focus to both NVD channels at once. This allows proper adjustment of all goggle parameters to be done quickly and easily. The internal resolution pattern is directly correlated to the Snellen Eye Chart providing visual acuity assessment from 20/70 to 20/20.

The ANV-20/20 also incorporates an eight step gray scale for evaluating the dynamic range of an NVD. Each step doubles in density as you progress from 1 (clear) to 8 (opaque). This scale covers a range of 2 1/2 decades and checks the ability of the NVD to perform under a variety of nighttime light levels. The system is housed in a MIL-T-28800 enclosure.



### SPECIFICATIONS:

#### MECHANICAL:

Case Size (w/cover) . . . . .	13H x 12.5W x 9.6D (inches)
Case Size (w/out cover) . . . . .	13H x 12.5W x 6.5D (inches)
Test Set Weight (w/ batteries) . . . . .	25 lbs.

#### ELECTRICAL:

Power Source . . . . .	Four D size Alkaline Batteries
Battery Life (normal mode) . . . . .	1500 cycles (minimum), 3 minute cycle

#### OPTICAL:

Light Source . . . . .	LED, Continuously Monitored
Focal Setting . . . . .	Infinity
Reticle Resolution . . . . .	0.49 to 1.72 Line Pairs per milliradian
Reticle Luminance . . . . .	Approx. Full Moon-Normal, Starlight-Low
Source Accuracy . . . . .	+/- 5% at Normal Mode
Left/Right Collimation . . . . .	< 0.5 degree error
System MTF . . . . .	> 75%

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