



Forward Observation Unit FOU-AEG-2

FOU-AEG-2 is an optoelectronic device used for general observation and positional awareness. It provides the user with positional data for both himself and his chosen target, using a built in laser rangefinder, personal GPS and a digital compass. The device is equipped with a daytime camera and a thermal camera in order to ensure complete day/night usability. The unit is designed to perform under harsh environmental conditions, as defined by military standards.

TECHNICAL CHARACTERISTICS			
Laser type	Nd:Yag	Thermal camera	DRI
Laser wavelength	1064 nm	Thermal camera detector type	Uncooled, Vox
Laser energy	≤ 15 mJ	Thermal camera resolution	640x512 pixel
Laser beam divergence	1.3 mrad	Thermal camera digital zoom	8X, 16X, 32X, 64X
Distance measuring range	180-20000 m	Diopter adjustment	± 5 dptr
Distance measuring accuracy	± 5 m	Digital magnetic compass	North accuracy 0,45° (8 mils)
Measured distance display	for 2 targets	Compass measuring frequency	15 measuring/s
Measured distance frequency	≥ 6 measuring/min	GPS horizontal position accuracy	2 m
Data transfer	RS 232	GPS vertical position accuracy	4 m
Daytime channel	Optical with reticle	Angle measuring accuracy	≤ 1 mils
Daytime channel magnification	7X	Horizontal angle measuring range	0-6400 mils
Display	Digital TFT LCD, 3.5"	Vertical angle measuring range	± 500 mils