

FOU-AEG 2

Forward observation unit

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

