



## M1 (ABRAMS)

The **new** Sensor House

**HENSOLDT**  
Detect and Protect.

## HEADLINE

Optical Data		
Laser rangefinder	ELRF	LRF/D
Laser type	Raman shifted Nd:YAG	OPO shifted Nd:YAG
Wavelength	1543 nm	1572 nm
Measuring rate	1 Hz for 120 s	1 Hz continuous
Safety class acc ANSI Z136.1	1	
Range accuracy	±5 m	
Measuring range	80 - 9,995 m	
Range resolution	5 m	1 m
Multiple target resolution	≤20 m	
Features	First echo/ last echo	
Aiming reticle	660 nm	
Target designator		
Laser type	–	Nd:YAG
Wavelength	–	1064 nm
Measuring rate	–	8 - 20 Hz
Laser class	–	4
Pulse duration	–	15 ns (±5 ns)
Electrical Data		
Power supply	18 - 32 V DC	
Interface	Operation: parallel interface Diagnostics: RS 422 serial interface	Operation: parallel interface and RS 232 Diagnostics: RS 422 serial interface
Mechanical Data		
Dimensions (WxHxL)	108x295x223 mm	
Weight	9 kg	10 kg
Ambient Conditions		
Temperature	-35°C to +63°C	
Environmental test	MIL-STD-810	
EMI/EMC Test	MIL-STD-461/462	
Power supply	MIL-STD-1275	