

## ASKION Laser Distance Module DMM-1025

### SPECIFICATIONS

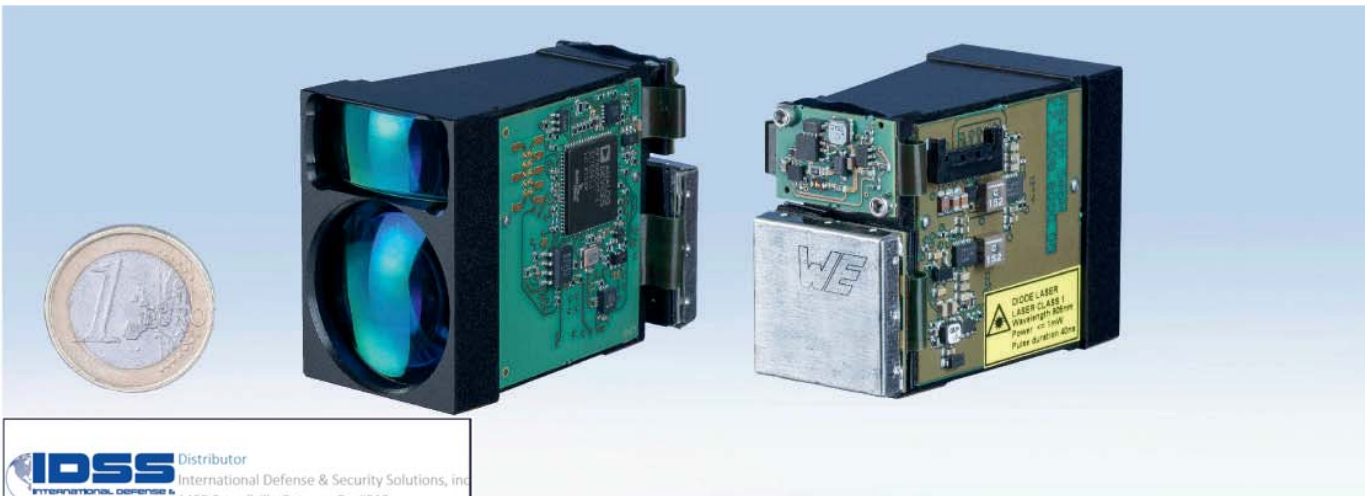
Wavelength	905 nm	Measuring time, type	0.6 s
Laser class	1 or 1M (EN 60825-1:2007)	Measuring frequency	0.1 - 10 Hz
Divergence	1.4 x 0.4 mRad	Operation temperature	-32 to +55°C
Weight	< 50 g	Shock resistance	1,000 g, 1 ms
Accuracy	+/-0.5 m	Additionally	a) 6-axis sensor FX0S8700CQ b) Temperature sensor c) UART - USB2 convertor d) Boresight diode
Interface	UART		
Power supply	1.9 - 5.2 VDC		
Size	28 mm x 39 mm x 49 mm (W x H x L)		
Range	20 - 2,500 m [3,000 m*] (beam filling target) 1,100 m [1,600 m*] (target size 1.8 x 0.6 m <sup>2</sup> , 10 % albedo, 10 km visibility)		

\*only applicable for 1M

The measuring module DMM-1025 is used for determining distances to objects on the basis of time of flight measurement of laser pulses. It is qualified to be integrated into sensor systems for applications in the industrial environment, e. g. for position determination as well as distance and speed measurement. Through a sophisticated hardware concept and a special signal processing it is possible to measure distances to targets in the near field with high accuracy but also slightly reflecting targets at a great distance precisely.

### FEATURES

Different specifications according to customer requests can be realized (wavelength, sizes depending on the measuring range, measuring frequency, data interface (e. g. SPI, I<sup>2</sup>C, RS485))



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