

## 1.1.2.9 Accessories for High Power Water Cooled Sensors

### 1.1.2.9.1 Protective Housing for 1000W and L1500W Series Sensors

For use with 1000W and L1500W sensors in industrial environments where sensors may be contaminated by debris from material working process. The protective housing and shutter prevent contamination of the sensor, particularly the absorbing surface, by this debris. The housing has a solenoid actuated shutter that can be opened when needed for measuring and be closed otherwise. The protective housing is fastened to the front flange of the sensor <sup>(a)</sup>.

**Protective Housing for 1000W / L1500W Mounted on Sensor (shutter open) Rear view (cables)**



**Protective Housing for 1000W / L1500W Mounted on Sensor (shutter closed) Front view (water connectors)**



<b>Model</b>	<b>1000W / L1500W Protective Housing <sup>(b)</sup></b>
<b>Use</b>	<b>Protection from debris of material working process</b>
Sensors Supported	For 1000W and L1500W. Needs threaded front flange <sup>(a)</sup>
Aperture	Exposes full aperture of sensors
Solenoid Actuating Power	24VDC 1A, Shutter is normally Closed
Electrical Connection	Lumberg SV30 male connector with 2m cable (P/N 7Z10377) as supplied. Black wire is ground
Interlock	Interlock switch is open if shutter is closed. This can be used to protect the shutter from accidental exposure to the laser
Electrical Connection for Interlock	3 Pin DIN connector with 1.5m cable (P/N 7E01513A)
Dimensions	See drawings below
Housing Material	Sheet aluminum
<b>Part number</b>	<b>7Z08334</b>

Note: (a) When fitting the housing to previous versions of the above sensors not having the requisite threads on their front flange, it will be necessary to exchange the front flange of the sensor with a new one having the requisite mounting threads. For details, consult Ophir representative.

Note: (b) The 1000W / L1500W protective housing is provided with an adapter plate (P/N 1G02733) so the sensor bottom surface will protrude below the side walls of the housing thus enabling easy mounting to the work surface (see view B in drawing below).

**Protective Housing for 1000W and L1500W As mounted on 1000W or L1500W**

