

Air Shower Device LD – 107

For Sick Laser Scanners Type 101-316 and S 3000

- Fault free use of the laser scanner in high dust areas
- Automatic front cover cleaning
- Fault free use of the laser scanner
- Permanent safe and reliable checking
- High operational capability of the laser scanner
- Powerful compressor
- Mobile and stationary operation



Air shower LD 107

Is the solution for the use of the laser scanner in an environment with high dust levels. It cleans the front cover at regular intervals and thereby prevents unnecessary alarm signals due to becoming dirty. The high safety level of the laser scanner to Category 3 of EN 954-1 means that transmission in the front cover is also checked. If this is negative, the laser scanner gives a so-called dirt warning which is signalled by a yellow flashing LED on the laser scanner. In the case of severe dirt on the front cover an alarm is given – the laser scanner must be cleaned.

This **Air shower LD-107** was developed specially for the Sick laser scanner and cleans the front cover of the laser scanner automatically

- by a controlled stream of air
- and is useable both mobile and stationary.

The use of laser scanners in particularly high dust environments can remove the time taken to clean the front cover.

Air shower LD-107 ensures an independent and automatic solution. It cleans the front cover at free programmable time intervals by means of a powerful air stream on to the front disc. A specially constructed air syringe body which is fitted on to the laser scanner distributes the air stream over the whole front cover by means of fine jets and blows the dust from the surface. To do this, the air syringe body is supplied with sufficient

compressed air by a powerful 12 bar compressor and a generously sized 6 bar compressed air vessel.

Air shower LD-107 consists of :

- a powerful compressor
- a compressed air vessel (to 6 bar)
- two time switch relays for individual control of stop and operating times
- DC/DC transformer for connection to the forklift battery
- Two special air jet bodies which are installed on the laser scanners
- Fitting console, connection leads and compressed air pipes for easy and quick fitting.

