

AMIKON TECHNICAL DOCUMENTATION

# Data Sheet

## KEYENCE SZ-VH1

SZ-V Series standard safety laser scanner head



### 01 VERIFIED PRODUCT IDENTITY

|                    |               |
|--------------------|---------------|
| Product model      | SZ-VH1        |
| Manufacturer       | KEYENCE       |
| Product family     | SZ-V Series   |
| Head type          | Standard type |
| Camera function    | Not included  |
| Approximate weight | 1,600 g       |

### 02 SAFETY SCANNING DATA

|                         |                                          |
|-------------------------|------------------------------------------|
| Maximum protection zone | 8.4 m                                    |
| Maximum warning zone    | 26 m                                     |
| Detectable angle        | 190 degrees (-5 to 185 degrees)          |
| Detection capability    | 20 / 30 / 40 / 50 / 70 / 150 mm diameter |
| Laser                   | 905 nm, Class 1                          |

|                       |                                        |
|-----------------------|----------------------------------------|
| Enclosure rating      | IP65                                   |
| Operating temperature | -10 to +50 degrees C                   |
| Operating humidity    | 35% to 85% RH                          |
| Storage temperature   | -25 to +60 degrees C                   |
| Storage humidity      | 35% to 95% RH                          |
| Vibration resistance  | 10 to 55 Hz, 0.7 mm compound amplitude |
| Shock resistance      | 100 m/s <sup>2</sup> , 16 ms pulse     |
| Main case material    | Magnesium                              |

- Access-zone safeguarding around hazardous automated machinery.
- Personnel and collision-risk monitoring for automated guided vehicles.
- Open-approach protection around robotic work cells.
- Configurable warning and protective fields for changing operating zones.

Confirm the exact scanner head, compatible SZ-V display or controller, cables, mounting hardware, protective-field design, machine stopping distance and safety validation before ordering or commissioning.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM