



## SAFEMASTER S

### Speed Monitor UH 6932 - Comfortable speed monitoring

**DOLD** 

With the safe **speed monitor UH 6932** from the **SAFEMASTER S** series, DOLD offers a comfortable solution for safety-oriented speed monitoring for use in wind turbines, centrifuges, or stage engineering. The device safely monitors machine standstill and both excessive and low speeds, in automatic and setup operating modes.

The speed monitor finds use in machines and apparatus which can pose a threat to people whilst running through mobile machinery or movable parts. Therefore, through the safe monitoring of reduced operating speed during usage, for example, the safety of operating personnel will be increased. The device also increases productivity, since there is no need to unnecessarily shut down equipment.

The UH 6932 offers an LCD display and front buttons, ensuring simple, comfortable operation and quick configuration of the device without a PC. The surveillance function can be deactivated via a digital input or activated during operation, with up to four pre-configured velocity modes with varying response thresholds. Besides the safety-oriented contact paths, the device also offers an analog output to display the current frequency.

#### Your advantages

- ▶ For safety applications up to cat. 4 / PL e or SIL 3, UL-listed
- ▶ Simple, time-saving start-up without a PC
- ▶ Suitable for commonly available proximity switches
- ▶ Reduced system downtime through comprehensive diagnostic functions
- ▶ Speed monitoring offers a bypass option (Muting)
- ▶ Up to 4 operating modes can be activated (e.g. automatic, set-up, or service mode)
- ▶ Overspeed, underspeed or window monitoring

**Our experience. Your safety.**

# Speed Monitor UH 6932

## Technical features

- ▶ Overspeed, underspeed or window monitoring
- ▶ User-friendly front display:
  - For convenient, menu-based parameter adjustment of parameters
  - for target and actual value displays in Hz
- ▶ Quick response time using cycle duration measurements of input frequency
- ▶ For PNP or NPN initiators
- ▶ Adjustable hysteresis
- ▶ Adjustable release delay of 0 ... 100 s
- ▶ Adjustable start-up bypass time of 0 ... 100 s
- ▶ Adjustable alarm delay of 0.1 ... 100 s
- ▶ Save alarm or auto-reset
- ▶ 2-channel construction
- ▶ Positively driven output contacts
- ▶ LED display and 2 semi-conducting signal outputs
- ▶ 45 mm construction width

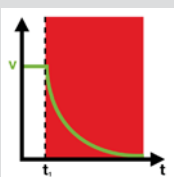
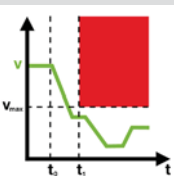
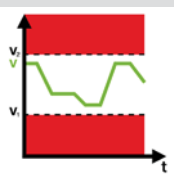
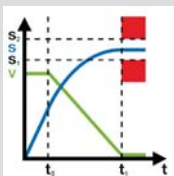
### Safety technology characteristics

Cat. 4 / PL e according to DIN EN ISO 13849-1  
SIL CL 3 according to EN 62061 and EN 61800-5-2  
SIL 3 according to IEC 61508 and EN 61511

## Order information

Standard type: UH 6932.02PS/61 DC 24 V  
Item number: 0066816

## Functions



## Safety functions in accordance with IEC 61800-5-2

### Safe Operating Stop (SOS)

The SOS function stops the motor from deviating by more than a set amount from the stop position. The PDS (SR) provides the motor with the energy to keep it from being affected by external forces.

### Safe Speed Range (SSR)

The SSR function keeps the motor speed within determined limits.

### Safely Limited Speed (SLS)

The SLS function stops the motor from exceeding the determined speed limit.

### Safe Torque Off (STO)

No energy is delivered to the motor that could cause it to turn (or move, with a linear motor). The PDS (SR) delivers no energy to the motor that could create torque (or force, with a linear motor).

## Further information

UH 6932

Start

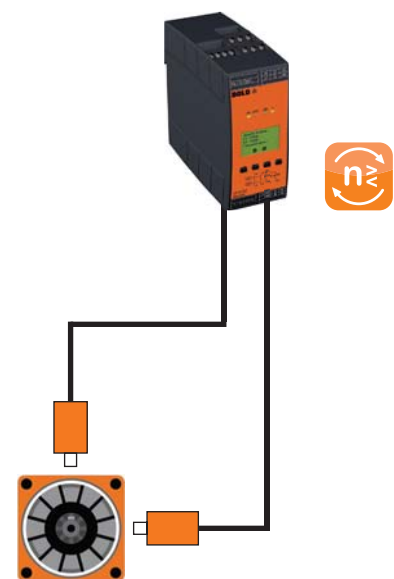
[www.dold.com](http://www.dold.com)

Are you looking for a  
safe sensorless  
standstill monitoring solution?

LH 5946



Speed monitor  
UH 6932



Convenient speed monitoring using  
initiators, as well as simple, time-saving  
start-up without a PC.

**DOLD**

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