

# OXH7-11161809

Höhen-Sensor

Height sensor

Capteur de hauteur

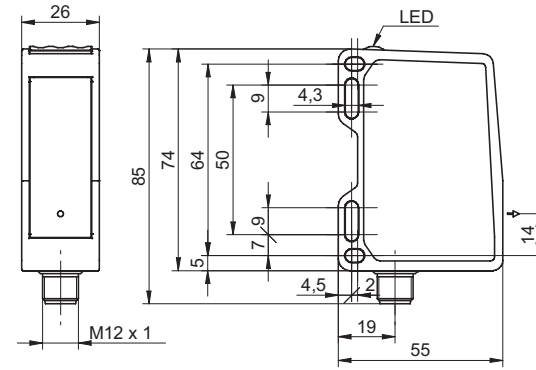


11161809



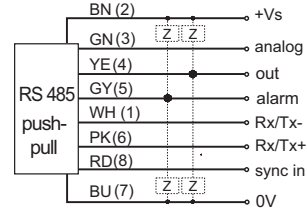
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## Abmessungen Dimensions Dimensions

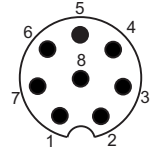


- Alle Maße in mm
- All dimensions in mm
- Toutes les dimensions en mm

## Elektrischer Anschluss Connection diagram Schéma de raccordement



- BN = Braun/brown/brun
- GN = Grün/green/vert
- YE = Gelb/yellow/jaune
- GY = Grau/grey/gris
- WH = Weiss/white/blanc
- PK = Rosa/pink/rose
- RD = Rot/red/rouge
- BU = Blau/blue/bleu



<sup>1)</sup> Class 2, UL 1310, see further sides

- Vor dem Anschliessen des Sensors die Anlage spannungsfrei schalten.
- Disconnect power before connecting the sensor.
- Mettre l'installation hors tension avant le raccordement du détecteur.

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### Technische Daten

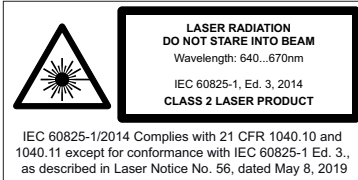
### Technical data

### Données techniques

Messbereich (Breite)	66 mm @ 500 mm	measuring range (width)	66 mm @ 500 mm	Plage de mesure (Largeur)	66 mm @ 500 mm
Messbereich (Abstand)	100 ... 500 mm	measuring range (distance)	100 ... 500 mm	Plage de mesure (Distance)	100 ... 500 mm
Messfrequenz	340...1540 Hz	measuring frequency	340...1540 Hz	Fréquence de mesure	340...1540 Hz
Betriebsspannungsbe- reich +Vs <sup>1)</sup>	15 ... 28 VDC	voltage supply range +Vs <sup>1)</sup>	15 ... 28 VDC	Plage de tension +Vs <sup>1)</sup>	15 ... 28 VDC
Stromaufnahme max. (ohne Last)	150 mA	current consumption max. (no load)	150 mA	Consommation max. (sans charge)	150 mA
verpolungsfest	ja, Vs zu GND	reverse polarity protection	yes, Vs to GND	Protégé contre inversion polarité	oui, Vs vers GND
kurzschlussfest	ja	short circuit protection	yes	Protégé contre courts-circuits	oui
Fremdlichtsicherheit	< 35 kLux	ambient light immunity	< 35 kLux	Insensibilité à la lumière ambiante	< 35 kLux
Arbeitstemperatur	-10 ... +50 °C	operating temperature	-10 ... +50 °C	Température de fonctionnement	-10 ... +50 °C
Schutzart	IP 67	protection class	IP 67	Classe de protection	IP 67

Für Programmierung über RS485 bitte separate Bedienungsanleitung beachten  
Please note the separate operating instructions for programming via RS485  
Pour la programmation via RS485, ils se réfèrent aux instructions séparées

Allg. Sicherheitsbestimmungen  
General safety instructions  
Instructions générales de sécurité



**VORSICHT**

Laserstrahl nie auf ein Auge richten.  
Es empfiehlt sich, den Strahl nicht ins Leere laufen zu lassen, sondern mit einem matten Blech oder Gegenstand zu stoppen.

**CAUTION**

Do not point the laser beam towards someone's eye. It is recommended to stop the beam by a mat object or metal sheet.

**ATTENTION**

Ne dirigez jamais le faisceau vers un oeil. Il est conseillé de ne pas laisser le faisceau se propager librement mais de l'arrêter au moyen d'un objet de surface mate.

1) Netzteil nach UL 1310, Class 2 oder externe Absicherung durch eine UL anerkannte oder gelistete Sicherung mit max. 30VAC/3A oder 24VDC/4A.  
Es wird ein 8-poliges, geschirmtes Anschlusskabel (Kabeldose) benötigt.

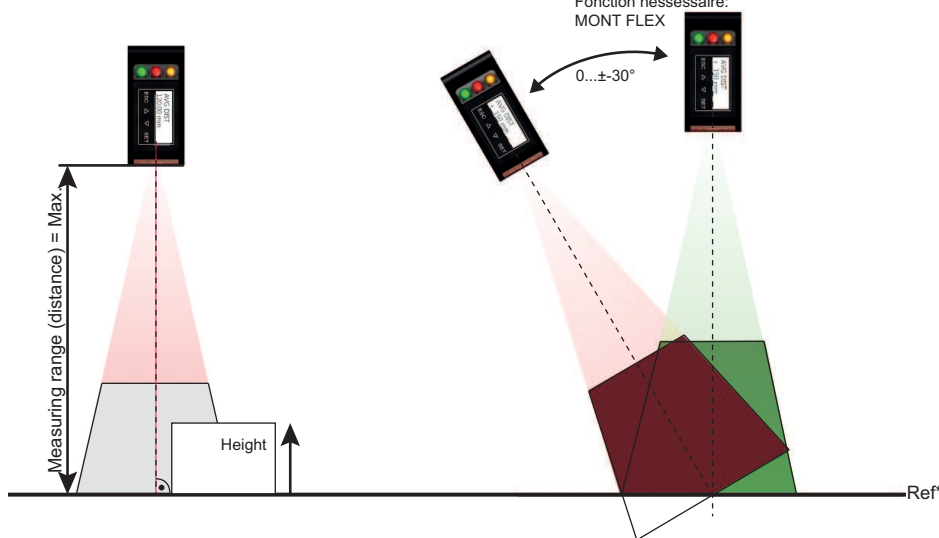
1) Voltage supply according UL 1310, Class2 or device shall be protected by an external R/C or listed fuse, rated max. 30VAC/3A or 24VDC/4A.  
Required is an 8-pin shielded cable (cable box).

1) L'alimentation utilisée, couvre la classe 2 selon la norme UL 1310 ou appareil protégé en externe par un circuit R/C ou fusible UL à 30VAC/3A ou 24VDC/4A maximum.  
Il s'agit d'un câble 8 broches blindé (décodeur) est nécessaire.

Montage  
Mounting  
Montage

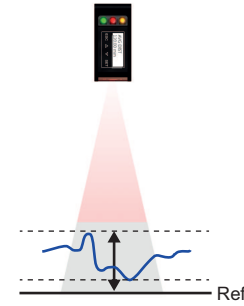
$\angle = 90^\circ$  & Measuring range (distance) = Max.  
Keine Einstellung nötig  
Aucun réglage nécessaire  
No adjustment necessary

$\angle \neq 90^\circ$  & Measuring range (distance) < Max.  
Nötige Funktion:  
FLEX MOUNT  
Necessary function:  
FLEX MOUNT  
Fonction nécessaire:  
MONT FLEX

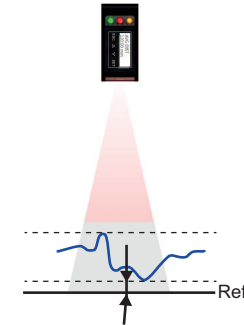


Messmodi  
Measurement modes  
Modes de mesure

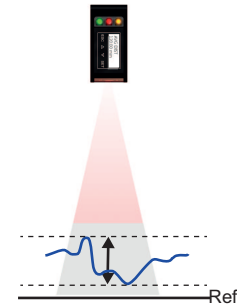
Maximal Höhe  
Maximum height  
Maximale hauteur



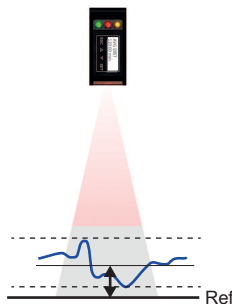
Minimal Höhe  
Minimal height  
Minimale hauteur



Delta Höhe  
Delta height  
Delta hauteur



Mittelwert Höhe  
Average height  
Moyenne hauteur



\*Ref = Referenzfläche/Reference surface/surface de référence

<b>LIVE MONITOR</b>			
▽			
<b>MEAS TYPE</b>	Avg HEIGHT Max HEIGHT Min HEIGHT Delta HEIGHT		
△ ▽			
<b>FLEX MOUNT</b>	No Yes	<b>TEACH REF</b>	<b>CORRECTION</b>
△ ▽			
<b>OBJECT</b>	Bright Dark		
△ ▽			
<b>PRECISON</b>	Standard High Very High		
△ ▽			
<b>FIELD OF VIEW</b>	<b>LIMIT LEFT</b> <b>LIMIT RIGHT</b> Set max values	Value in mm Value in mm	
△ ▽			
<b>ANALOG OUT</b>	<b>SCALE OUT</b>	Offset Height Set max values	Value in mm Value in mm
△ ▽			
	<b>ANALOG OUT</b> <b>CHARACTERISTIC</b>	Current / Voltage Pos. slope / Neg. slope	
<b>DIGITAL OUT</b>	<b>DIGITAL OUT</b> <b>SWITCH POINT</b> <b>WINDOW P1</b> <b>WINDOW P2</b> <b>OUTPUT LEVEL</b>	Point / Window Value in mm Value in mm Value in mm Active high / Active low	
△ ▽			
<b>SYSTEM</b>	<b>RS485 BAUD</b> <b>RS485 ADDR</b> <b>DISPLAY LIGHT</b> <b>SENSOR INFO</b> <b>LANGUAGE</b> <b>RESET</b>	38400 57600 115200 number OFF 5min OFF 10min OFF 20min Always ON SENSOR TYPE SERIAL NUM English Deutsch Inglese Français Factory Set	
△ ▽			
<b>SETTINGS</b>	<b>APPLY</b> <b>STORE</b> <b>SHOW ACTIVE</b> <b>SHOW SETTING 1</b> <b>SHOW SETTING 2</b> <b>SHOW SETTING 3</b>	Setting 1 Setting 2 Setting 3 Setting 1 Setting 2 Setting 3 Values Values Values Values	
△			