

OXH7-11161809

Höhen-Sensor

Height sensor

Capteur de hauteur



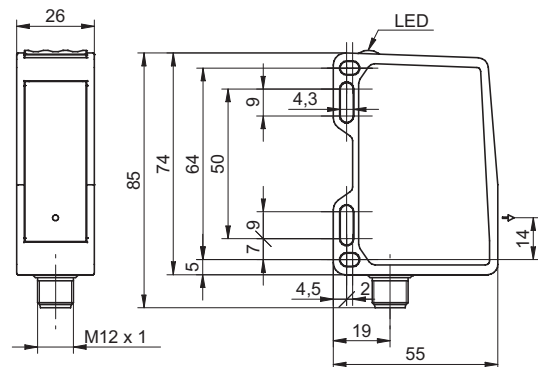
11161809



Baumer

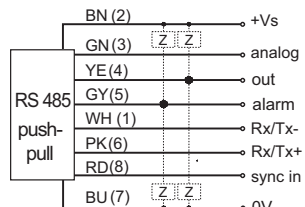
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Abmessungen Dimensions Dimensions



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

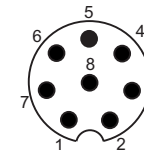
Elektrischer Anschluss



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



¹⁾ 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

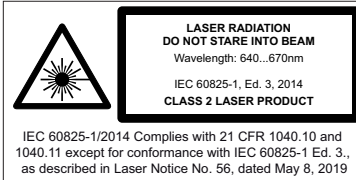
Technical data

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 ¹⁾	15 ... 28 VDC	voltage supply range +Vs ¹⁾	15 ... 28 VDC	Plage de tension +Vs ¹⁾	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.

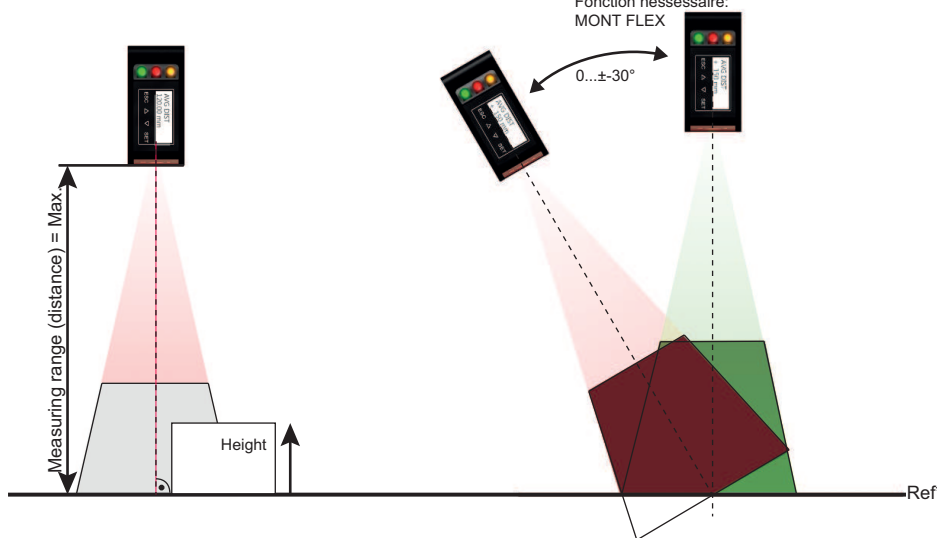
1) Voltage supply according UL 1310, Class2 or device shall be protected by an external R/C or listed fuse, rated max. 30VAC/3A or 24VDC/4A.
Required is an 8-pin shielded cable (cable box).

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

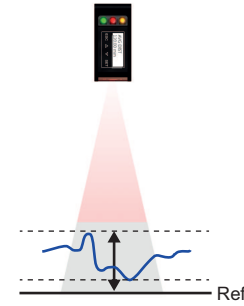
$\alpha = 90^\circ$ & Measuring range (distance) = Max.
Keine Einstellung nötig
Aucun réglage nécessaire
No adjustment necessary

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

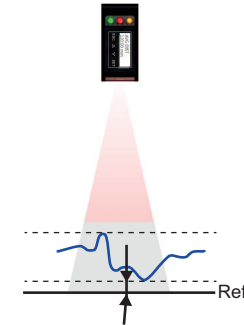


Messmodi
Measurement modes
Modes de mesure

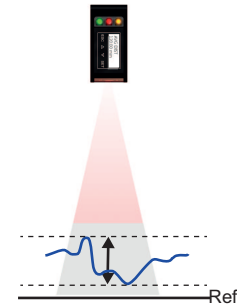
Maximal Höhe
Maximum height
Maximale hauteur



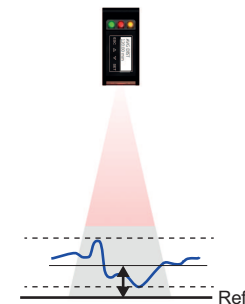
Minimal Höhe
Minimal height
Minimale hauteur



Delta Höhe
Delta height
Delta hauteur



Mittelwert Höhe
Average height
Moyenne hauteur



*Ref = Referenzfläche/Reference surface/surface de référence

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