



OY2TA104P0150P

High-Performance Distance Sensor



Operating Instructions

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EN

Table of Contents

1.	Proper Use	4
2.	Safety Precautions	4
	2.1. Safety Precautions	4
	2.2. Laser/LED warning	4
	2.3. Approvals and IP Protection	4
3.	Technical Data	5
	3.1. Connecting the Sensors	6
	3.2. Housing Dimensions	7
	3.3. Control Panel	7
	3.4. Complementary Products	8
4.	Mounting Instructions	8
5.	Initial Operation	8
	5.1. Initial Operation	8
	5.2. Default Settings	9
6.	Functional Overview OLED-Display	10
	6.1. Run	12
	6.2. Display	12
	6.2.1. Display Mode	12
	6.2.2. Display Intensity	13
	6.3. Filter	13
	6.4. Laser	13
	6.5. I/O Test	14
	6.6. Network	15
	6.7. Language	15
	6.8. Info	15
	6.9. Reset	16
	6.10. Password	16
7.	Information on PROFINET	17
	7.1. Overview of Device Access Point (DAP)	17
	7.2. Overview of modules used in the DAP OY2TA104P0150P	17
8.	Network Settings	21



9.	. Web-based configuration	
	9.1. Invoking the Management Interface	21
	9.2. Page layout	22
	9.3. Device general	23
	9.4. Device Settings	24
	9.5. Measured Value Settings	25
	9.6. Device Test	25
10.	Maintenance Instructions	26
11.	Proper Disposal	26
12.	EU Declaration of Conformity	26

1. Proper Use

This wenglor product has to be used according to the following functional principle:

High-performance distance sensors which use the principle of transit time measurement determine the distance between the sensor and the object according to the principle of transit time measurement. These sensors have a large working range and are therefore able to detect objects over large distances.

Selected sensors are distinguished by WinTec (wenglor interference free technology). This technology allows black or shiny surfaces to be reliably detected even in extremely inclined positions. It is possible to mount several sensors next to or across from each other without them influencing each other.

2. Safety Precautions

2.1. Safety Precautions

- This operating instruction is part of the product and must be kept during its entire service life.
- Read this operating instruction carefully before using the product.
- Installation, start-up and maintenance of this product has only to be carried out by trained personal.
- Tampering with or modifying the product is not permissible.
- Protect the product against contamination during start-up.
- · These products are not suited for safety applications.

2.2. Laser/LED warning



Class Laser 1 (EN 60825-1)

Observe all applicable standards and safety precautions.

2.3. Approvals and IP Protection





3. Technical Data

Order Number	OY2TA104P0150P
Working Range	0,110,1 m
Linearity Deviation	20 mm
Reproducibility	7 mm
Light Source	Laser (red)
Output Rate	330/s
Wave Length	660 nm
Service Life (Tu = 25 °C)	100000 h
Max. Ambient Light	5000 Lux
Laser Class (EN 60825-1)	1
Beam Divergence	< 2 mrad
Light Spot Diameter	see table 1
Port Type	100BASE-TX
PoE Class	1
Response Time	< 10 ms
Temperature Range	–2550 °C
Reverse Polarity Protection	yes
Protection Class	
Adjustment	Menu (OLED)
Housing	Plastic
Degree of Protection	IP68
Connection	M12×1, 8-pin
Webserver	yes
Control Panel No.	X2, T10
PROFINET IO, CC-B	¥

Light Spot Diameter

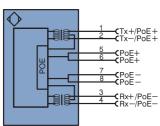
Working Distance	0	10 m
Light Spot Diameter	5 mm	< 20 mm

Table 1

3.1. Connecting the Sensors

OY2TA104P0150P





Legend

+	Supply Voltage +	
-	Supply Voltage 0 V	
~	Supply Voltage (AC Voltage)	
А	Switching Output	(NO)
Ā	Switching Output	(NC)
V	Contamination/Error Output	(NO)
V	Contamination/Error Output	(NC)
E	Input (analog or digital)	
Т	Teach Input	
Z	Time Delay (activation)	
S	Shielding	
RxD	Interface Receive Path	
TxD	Interface Send Path	
RDY	Ready	
GND	Ground	
CL	Clock	
E/A	Output/Input programmable	
0	IO-Link	
PoE	Power over Ethernet	
IN	Safety Input	
OSSD	Safety Output	
Signal	Signal Output	
BI_D+/-	Ethernet Gigabit bidirect, data	a line (A-D)

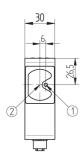
PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ū	Test Input inverted
W	Trigger Input
W –	Ground for the Trigger Input
0	Analog Output
0-	Ground for the Analog Output
BZ	Block Discharge
Awv	Valve Output
a	Valve Control Output +
b	Valve Control Output 0 V
SY	Synchronization
SY-	Ground for the Synchronization
E+	Receiver-Line
S+	Emitter-Line
÷	Grounding
SnR	Switching Distance Reduction
Rx+/-	Ethernet Receive Path
Tx+/–	Ethernet Send Path
Bus	Interfaces-Bus A(+)/B(-)
La	Emitted Light disengageable
Mag	Magnet activation
RES	Input confirmation

ENsewar Encoder B/Å (TTL) ENA Encoder A Ens Encoder B Amin Digital output MIN Awax Digital output MAX Aox Digital output MAX Aox Digital output OK SY in Synchronization In SY OUT Synchronization OUT Out Brightness output M Maintenance rev reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green		Encoder A/Ā (TTL)
Encoder B Amin Digital output MIN Amax Digital output MAX Aox Digital output MAX Aox Digital output OK Synchronization In Synchronization OUT Synutry Synchronization OUT Brightness output M Maintenance rev reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE< Yellow	ENBR542	Encoder B/B (TTL)
AMIN Digital output MIN AMAX Digital output MAX Aox Digital output MAX SY In Synchronization In SY OUT Synchronization OUT Out Brightness output M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green	ENa	Encoder A
Awax Digital output MAX Aox Digital output OK SY n Synchronization In SY OUT Synchronization OUT 0xt Brightness output M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Brown RD Red OG Orange YE Yellow GN Green	ENв	Encoder B
Aok Digital output OK Sy or Synchronization In Sy OUT Synchronization OUT Out Brightness output M Maintenance rev reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE< Yellow	Amin	
SY in Synchronization In SY OUT Synchronization OUT Out Brightness output M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE< Yellow	Амах	Digital output MAX
SY OUT Synchronization OUT Oxt Brightness output M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green	Аок	
Dut Brightness output M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green	SY In	Synchronization In
M Maintenance rsv reserved Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green	SY OUT	Synchronization OUT
rsv reserved Wire Colors according to IEC 60757 BK BN Brown RD Red OG Orange YE Yellow GN Green	Out	Brightness output
Wire Colors according to IEC 60757 BK Black BN Brown RD Red OG Orange YE Yellow GN Green	м	Maintenance
BK Black BN Brown RD Red OG Orange YE Yellow GN Green	rsv	reserved
BN Brown RD Red OG Orange YE Yellow GN Green	Wire Co	olors according to IEC 60757
RD Red OG Orange YE Yellow GN Green	BK	Black
OG Orange YE Yellow GN Green	BN	Brown
YE Yellow GN Green	RD	Red
GN Green		
uleen		Orange
DU DI	OG	
BO Blue	OG YE	Yellow
VT Violet	OG YE	Yellow
GY Grey	OG YE GN BU	Yellow Green Blue
WH White	OG YE GN BU VT	Yellow Green Blue Violet
PK Pink	OG YE GN BU VT GY	Yellow Green Blue Violet Grey

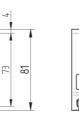


3.2. Housing Dimensions







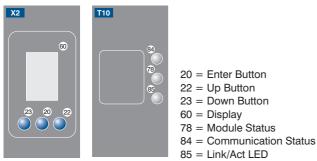




1	=	Transmitter	Diode
---	---	-------------	-------

2 = Receiver Diode

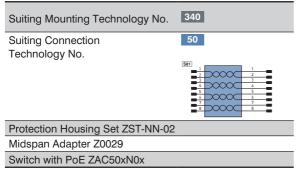
3.3. Control Panel



Designation	Condition	Function	
	Off	Connection (AR) with controller established	
CS (Communication Status)	Green	Protocol not initialized	
	Red	No connection (AR) with controller established	
	Red	Error (class FATAL)	
MS (Modul Status)	Red flashing	Detection function, may be activated via Engineering	
	neu llastillig	Tool	
1 (2	Green	Links present	
L/A	Green flashing	Communication	

3.4. Complementary Products

wenglor offers Connection Technology for field wiring.



4. Mounting Instructions

When using the Sensor, follow the corresponding electrical and mechanical regulations, standards and safety rules. The Sensor must be protected against mechanical influence. The Sensor has optimum extraneous light qualities when the background is within the working range.

5. Initial Operation

5.1. Initial Operation

Each Ethernet device has a unique MAC address. With wenglor you can find the MAC address on the type plate of the device.

In the default settings, the device has the following IP-Address 192.168.100.1. You can access the website of the device via the IP-Address. You can change settings on the device on the website or using the OLED display in order to test applications.

Caution: In the case of operation on a control unit, settings that were changed on the website or using the OLED display will be overwritten by the control unit.

If you want to start up the device on a control unit, please perform the following steps:

- Connect the Sensor to a switch with PoE using an appropriate cable M12×1; 8-pin. In the case of a switch without PoE, please use the Midspan Adapter (Z0029) for the appropriate voltage supply. When the voltage supply is present, the display on the Sensor starts.
- Install the associated device-specific electronic description file (e.g. for PROFINET, the GSDML file) in the hardware manager. You can find the file you require for download at www.wenglor.com → Product World → Product search (order number) → Download. Explanations regarding the electronic description file and its structure can be found in the detailed operating instructions in PDF format.
- Help on installing the file in the control and design of the network can be found in the help files of the relevant control. wenglor provides a description for the download at: www.wenglor.com → Product World → Product search (order number) → Download..



5.2. Default Settings

		OY2TA104P0150P	
Dioploy	Mode	Process	
Display	Intensity	Screensaver	
Filter		1	
Laser		ON	
	IP-Address	192.168.100.1	
	Subnet Mask	255.255.255.0	
Network	DHCP	DHCP OFF	
	Std Gateway	192.168.100.254	
	MAC Address	(See type plate on the product)	
Language		English	
Password	Activate	Off	
Password	Change	0	

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6. Functional Overview OLED-Display

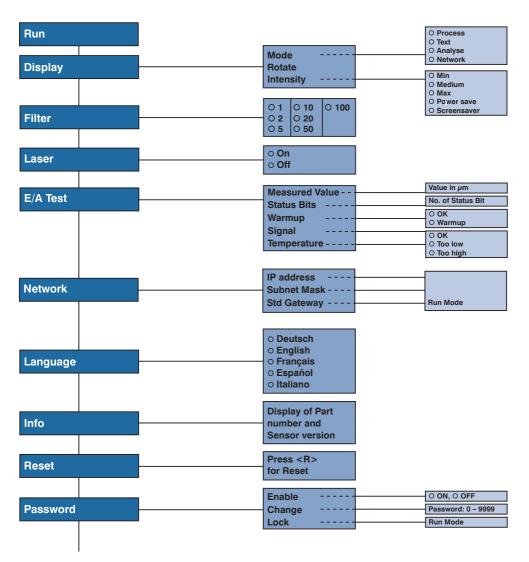






Fig. 1: Set language menu

Navigation by pressing the button:

- : Navigation up.
- : Navigation down.
- ← : Enter Button.

The selection is confirmed by pressing the Enter button.

Meaning of the menu items:

- Back : one level higher in the menu.
- Run : Switch to display mode.

Change to the configuration menu by pressing any button.

Note: If no setting is made in the configuration menu for a period of 30 s, the Sensor returns automatically to the display view.

Pressing the button again returns the Sensor to the last menu view used. If a setting is made, it becomes active once you leave the configuration menu.

Important: To prevent any damage to the buttons, please do not use any pointed objects for setting.

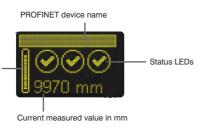
The following explains the functions behind the individual menu items.

6.1. Run

Bar graph display of the current

measured value relative to the measuring range

The Sensor switches into display mode.



Symbol descriptions of status LEDs:

Symbol	Significance	State 1	State 2	State 3
Symbol 1	Warm-up	🕑 ok	📓 wait	_
Symbol 2	Signal Strength	📀 ok	too low (dirty)	🐞 too high
Symbol 3	Temperature	🕑 ok	too high	🗱 too low

6.2. Display

Display	Adjust the display device	
Mode	Mode:	Select display mode (see chapter 7.2.1)
Rotate	Rotate:	Rotate display by 180°. By pressing the "←" button the display is rotated
Intensity		by 180°. The rotation is canceled by pressing this button again.
Back	Intensity:	Set the display intensity (see chapter 7.2.2)
Run		· · · · · · · · · · · · · · · · · · ·

6.2.1. Display Mode

The measured value in mm and the PROFINET device name always appear in the Sensor's display. [offline] will be displayed here unless the PROFINET device name has been changed. You can choose from the following additional displays in the menu item "display mode":

Mode	Adjust the display device					
O Process	Process:	Process: Display of status LEDs for warm-up, signal strength and temperature.				
O Text	Text:	Text: Display of a free text that can be sent to the Sensor via the control.				
O Analysis	Analysis: Display of signal strength in percent and measuring rate in 1/s.					
O Network	Network: Display of the PROFINET LEDs MS, CS and L/A. For the function of the					
		LEDs, see "4.3. Control Panel" on page 7.				



6.2.2. Display Intensity

Intensity	Set the displa	Set the display intensity				
O Min	Min:	The intensity of the display is set to a minimum value.				
O Normal	Normal:	The intensity of the display is set to a medium value.				
O Max	Max:	The intensity of the display is set to a maximum value.				
O Power save	Power save:	The display switches off after one minute without a button being				
O Screensaver		pressed and automatically switches back on when a button is				
		pressed.				
	Screensaver: The colors of the display are inverted every minute.					

6.3. Filter

The filter (filter size) is the number of measured values over which the Sensor takes an average. The larger the filter selected, the slower the response time of the Sensor becomes when there is a change in the measured values. A larger filter improves the reproducibility of the Sensor.

Filter	Number of values for averaging
01	If 1 is selected, each measured value is output directly without averaging. When-
O 2	ever a value greater than 1 is selected, the Sensor takes an average over the
O 5	selected number of x measured values.
O 10	
O 20	
O 50	
O 100	
Back	
📢 Run	

6.4. Laser

In the menu item "Laser", the emitted light can be switched on or off.

Laser	Switch transmitted light on or off				
O On	ON:	Switch transmitted light on			
O Off	OFF:	Switch transmitted light off; the Sensor no longer supplies mea-			
 Back 		sured values			
📢 Run					

6.5. I/O Test

This function manually changes the output of the Sensor. As a result, it possible to test whether the further process is working as desired. The test is automatically terminated once you leave the test menu.

I/O Test	Test of the Senso	Test of the Sensor outputs				
Measured value	Measured value:	Default of a measured value in μ m				
Statusbits	Statusbits:	The number of the status bit to be set can be selected by				
Warm-up		pressing the "+" or "-" button. (see list of Statusbits)				
Signal Strength	Warm-up:	Default of the warm-up on "ok" or "warm-up"				
Temperature	Signal strength:	Default of the signal strength on "ok", "too low" or "too high"				
▲ Back	Temperature:	Default of the temperature on "ok", "too low" or "too high"				
📢 Run						

If the Sensor returns to the display view after 30 seconds without pressing the button while the test is still active, this is indicated by a A in the display view.

List of status bits:

Number	Function	Description of when the bit is set	Measured value read- out		
1	General error	One of the following bits is set.	—		
2	Distance to object too small	The current measured value is below the working range.	Measuring range lower limit		
3	Distance to object too large	The current measured value is above the working range.	Measuring range upper limit		
4	No signal	The sensor does not detect an object within its working range.	Measuring range upper limit		
5	Signal too weak	Too little light is reflected back to the sen- sor from the object (e.g. very dark surface). The quality of the measured value is re- duced as a result.	Current measured value		
6	Signal too strong	Too much light is reflected back to the sensor from the object (e.g. reflector) The quality of the measured value is reduced as a result.	Current measured value		
7	Warm-up procedure	The sensor is currently in the warm-up phase and the quality of the measured value does not yet comply with the speci- fied technical data. See page 5 below.	Current measured value		
8	Temperature too high	Emperature too high The sensor is at the upper limit of its tem- perature range. If temperature continues to rise, the sensor may be destroyed.			
9	Temperature too low	The sensor is at the lower limit of its tem- perature range. If temperature continues to drop, the sensor may be destroyed.	Current measured value		



6.6. Network

Network	Settings of the N	Settings of the Network Parameters				
IP-Address	IP-Address:	Display of the set IP-Address				
Subnet Mask	Subnet Mask:	Display of the set Subnet Mask				
DHCP	DHCP:	Display DHCP ON or DHCP OFF				
Std Gateway	Std Gateway:	Display of the set standard gateway				
MAC Address	MAC Address:	Display of the default MAC Address				
Net Reset	Net Reset:	Reset network settings to the default settings				
Back		-				
📢 Run						

6.7. Language

The menu language can be changed in the menu item "Language". The user is automatically prompted for his desired language at initial operation and after each reset.

Language	Set menu language
O Deutsch	The menu appears in the selected language immediately after selection.
O English	
O Francais	
O Espanol	
O Italiano	
 Back 	
∢ Run	

6.8. Info

In the menu item "Info" the following information about the Sensor is displayed:

Info	
Order number	
Software version	
Serial number	

6.9. Reset

All Sensor settings, with the exception of the network settings, can be reset to the default settings in the menu item "Reset. The settings of the default settings can be found in Chapter "6.2. Default Settings" on page 9.

Reset	Reset to the default settings
Press <r> for Reset</r>	The Sensor settings that have been made can be reset to the default settings by
	pressing the "R" button.

6.10. Password

Password protection prevents against changing the set data unintentionally.

Password	Set password functionality					
Activate	Enable:	Turn password protection on or off. If password protection is acti-				
Change		vated, the operation of the Sensor is disabled after supply power				
Block		has been interrupted and is only enabled after successfully entering				
 Back 		password.				
📢 Run	Change:	Change password.				
	Lock:	Locking Sensor causes an immediate disabling of operation if activate				
		Password is set to "on".				

If the password functionality is activated, the password must be entered before each operation of the Sensor. After correctly entering the password by means of the "+" and "-" button, the menu is activated and the Sensor is operational.

- The password functionality is deactivated in the default settings.
- The value range of the password number ranges from 0000...9999

It is necessary to note the newly defined code before changing the password. A forgotten password can only be overwritten by a general password. The general password can be requested by sending an e-mail to **support@wenglor.com**.



7. Information on PROFINET

You can find the GSDML file for download at www.wenglor.com \rightarrow Product World \rightarrow Product search (Enter the product number).

7.1. Overview of Device Access Point (DAP)

Modul-ID: 0 Submodul: 0

Parameter:

Name	Data Type	Byte Offset	Bit Offset	Bit Length	Default Value	Value Range	Change- able	Index	Length	Description
Webserver Access	BitArea	0	0	1	0: enabled	01	Yes	300	1 Byte	0: enabled 1: blocked
Button lock	BitArea	0	0	1	0: enabled	01	Yes	301	1 Byte	0: enabled 1: blocked
Rotate display	BitArea	0	0	1	0: not rotated	01	Yes	302	1 Byte	0: not rotated 1: rotated
Display Intensity	BitArea	0	0	3	4: Screensaver	04	Yes	303	1 Byte	0: Min 1: Normal 2: Max 3: Power saver mode 4: Screensaver
Display mode	BitArea	0	0	3	0: Process	03	Yes	304	1 Byte	0: Process 1: Analysis 2: Text 3: Network
Language	BitArea	0	0	3	1: English	04	Yes	305	1 Byte	0: Deutsch 1: English 2: Français 3: Español 4: Italiano

7.2. Overview of modules used in the DAP OY2TA104P0150P

Name	Cyclical Input	Parameter	Parameter Slot (pluggable)
Distance Value	Measured value, Status	Filter value, Laser ON OFF	1 (fix)
Status	Bit field	-	2 (fix)
Filter	Filter value	-	3 (pluggable)
Laser	Laser ON OFF	-	4 (pluggable)
Display text	Display text	-	5 (pluggable)
Offset	Offset Set	-	6 (pluggable)

The detailed structure of the modules is described in the following.

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Module Distance Value

Module ID: 1 Submodule: 1 Slot: 1

Format Cyclical Data: 4 Byte Statusbits (see Module status)

Input	Output	Value Range	Data Type	Unit	Description
Measured	-	-	Integer32	mm	Distance Value
value					
Statusbits	-	Bit	Unsigned32	-	(see Module status)

Parameter:

Name	Value Range	Data Type	Index	Presetting	Changeable
Filter	06	Unsigned8	257	0	yes
Laser	01	Bit	264	0	yes

Module Status

Module ID:	2
Submodule:	1
Slot:	2

Format Cyclical Data:

Input	Output	Value Range	Data Type	Unit	Description
Statusbits	-	Bit	Unsigned32	-	Bit0: General
					Bit1: Distance to Object is too small
					Bit2: Distance to Object is too large
					Bit3: No signal
					Bit4: Contamination
					Bit5: Signal too high
					Bit6: Warm-up procedure
					Bit7: Overtemperature
					Bit8: Undertemperature

Parameter:

Name	Value Range	Data Type	Index
-	-	-	-



Module Filter

Module ID:	3
Submodule:	1
Slot:	3

Format Cyclical Data:

Input	Output	Value Range	Data Type	Unit	Description
Filter Value	Filter Value	06	Unsigned8	-	0: filter size 1
					1: filter size 2
					2: filter size 5
					3: filter size 10
					4: filter size 20
					5: filter size 50
					6: filter size 100

Parameter:

Name	Value Range	Data Type	Index
-	-	-	-

Module Laser ON OFF

Module ID:	4
Submodule:	1
Slot:	4

Format Cyclical Data:

Input	Output	Value Range	Data Type	Unit	Description
Laser	Laser	01	Unsigned8	-	0: Laser ON
ON-OFF	ON-OFF				1: Laser OFF

Parameter:

Name	Value Range	Data Type	Index
-	-	-	-

Module Display Text

Module ID:5Submodule:1Slot:5

Format Cyclical Data:

Input	Output	Value Range	Data Type	Unit	Description
Display	Display	Text 19	Visible String	-	Displayable Display Text
Text	Text	Character			

Parameter:

Name	Value Range	Data Type	Index
-	-	-	-

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Module Offset

Module ID:	6
Submodule:	1
Slot:	6

Format Cyclical Data:

Output

Value Range	Data Type	Unit	Description
15	Unsigned8	-	0x00: Start command 0x01: Learn offset value 0x03: Reset offset value 0x04: Apply offset 0x05: Reset offset

Input

Value Range	Data Type	Unit	Description
0x000x10	Unsigned8	-	0x00: Ready for command
			0x10: Command executed

Parameter:

Name	Wertebereich	Datentyp	Index
_	_	_	-

Examples: Learn offset value:	Input Output	^{0x00} 🎽 ₀	_{0x00}	^{0x01} 🔰	0x10
Apply offset value:	Input Output	0×00 🖌 0	_{0x00}	^{0x04} 🔰	0x10



8. Network Settings

To operate the device in an Ethernet LAN, the device and the remote station, for example a computer, must be located in the same network. The IP-Address of the device is set to the IP-Address 192.168.100.1 and to the subnet mask 255.255.255.0 and standard gateway 192.168.100.254. In the instructions the default values are always assumed.

WARNING: It must be ensured that supply power is not interrupted while making changes to network settings. Furthermore, supply power must maintained for at least an additional 5 minutes after the network settings have been saved to memory.

9. Web-based configuration

The device is equipped with a web-based adjustment interface that works independent of the operating system. You can configure the device conveniently using a standard web browser (e.g. Internet Explorer or Firefox).

9.1. Invoking the Management Interface

Start the web browser. Enter the IP-Address of the device in the address line of your browser, and press the Enter button. The IP-Address is preset to 192.168.100.1.

Example: http://192.168.100.1



The overview page "Device general" is not password protected. If other pages are accessed, a password request appears. The following user data is preset in the default settings:

User name: admin Password: admin

The password can be changed on the "Device settings" page.

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9.2. Page layout



The website is divided into the following 4 areas:

- 1. Language selection: The website can be changed from English (default setting) to German, French, Spanish or Italian via the language selection.
- 2. Display: On each page, the current display is represented exactly like on the device itself.

3. Category selection: The web-based settings are divided into four categories:

- Device general: Overview page with general information about the device
- · Device settings: Network and display settings of the device
- Measured value settings: Settings for influencing the measured value of the device
- Device Test: Manual change of the Sensor output in order to test the process
- 4. Page content: Depending on which category is selected, the relevant page content is displayed.



9.3. Device general

wengle the innovative fa	Dr mily		English 🗸
General device Device settings Measured value settings Device test	General device		OY2TA104P0150P
	Part number	OY2TA104P0150P	
	Product version	V1.0.10	
	Producer	wenglor sensoric GmbH	
	Description	High-Performance Distance Sensor	
	Serial number	00000000	
	MAC Address	54-4a- <mark>0</mark> 5-02-50-b5	
	Real-time Ethernet status	offline	

After establishing the connection, the overview page "Device general" is displayed.

Device Name: A unique device name can be freely assigned to each device via the PROFINET control. The device name is also displayed in the first line of the display. If no name is assigned, [offline] is displayed here.

9.4. Device Settings

General device	Device settings		OY2TA104P0150P
Device settings Measured value settings	Network settings		$\bigcirc \oslash \oslash$
Device test	- IP-address	192.168.100.1	
	Subnet mask	255.255.255.0 Send	
	Standard gateway	192.168.100.254	2878 mm
	Network reset	Reset	
	Display settings		
	Language	English 🗸	
	Rotate display	OFF 🗸	
	Display intensity	Screensaver V	
	Display mode	Process V	

Network Settings

By clicking on "Send" the settings are saved. After interruption of the power supply, the network settings are applied.

Network Reset

In a network reset, the network settings are reset to the factory settings. See chapter "6.2. Default Settings" on page 9. The settings are applied after interruption of the power supply. The Sensor settings remain unchanged.

Display Settings

For functional description of display settings see chapter "7.2. Display" on page 12.

Password

The password for the website is changed here. An additional window opens in which the new password can be entered.



9.5. Measured Value Settings

wenglo	r		English
the innovative fam	ily		
General device	Measured value settings		OY2TA104P0150P
Device settings			
Measured value settings	Filter	1	$(\checkmark)(\checkmark)(\checkmark)$
Device test	Emitted light	ON ¥	
	Reset sensor settings	Reset	
			2880 mm
			2880 mm

Filter

For functional description of filter see chapter "7.3. Filter" on page 13 .

Emitted Light

For functional description of transmitted light see chapter "7.4. Laser" on page 13.

Sensor Settings Reset

In a reset, the Sensor settings are reset to the factory setting. The network settings remain unchanged. For functional description of Sensor settings reset see chapter "7.9. Reset" on page 16.

9.6. Device Test

wenglo the innovative fam			English
General device	Device test		OY2TA104P0150P
Device settings Measured value settings	Simulation of		
Device test	Measured value	mm Apply	
	Warmup	Off 🗸	
	Signal	Off 🗸	2004
	Temperature	Off 🗸	2884 mm
	Test mode	Switch off	

For functional description of device test see chapter "7.5. I/O Test" on page 14.

The test is activated as soon as at least one parameter is changed.

The length of the test is limited to 10 minutes. Afterwards, the test is terminated automatically. The remaining time of the test is displayed under the button "Switch off" and below the display window. The test can also be terminated prematurely by clicking on "Switch off".

10. Maintenance Instructions

- This wenglor Sensor is maintenance-free.
- It is recommended to clean the lens and the display regularly and to check the socket connections.
- Do not use any solvents or cleaning agents to clean the Sensor, which could damage the device.

11. Proper Disposal

wenglor sensoric gmbh does not take back unusable or irreparable products. When disposing of the products, the relevant national regulations for waste disposal apply.

12. EU Declaration of Conformity

The EU declaration of conformity can be found on our website at www.wenglor.com in download area.



The wenglor sensoric GmbH hereafter called wenglor for short, points out that notes and information in this operating manual may be subject to constant development and technical changes and are therefore only published under reservation.

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