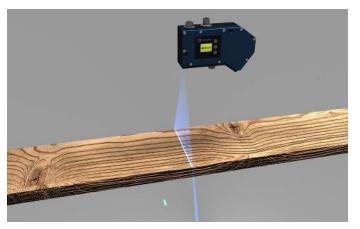
MLWL174 LASER

Part Number

- Blue light for applications on metal, organic or semi-transparent materials
- Increased resistance to extraneous light and high speed
- Optimized profile quality thanks to HDR function
- Precise measuring range resolution X (> 2000 measuring points)
- Up to 12 million measuring points per second

2D/3D Profile Sensors project a laser line onto the object to be detected and generate an accurate, linearized height profile with an internal camera which is set up at a triangulation angle. Thanks to its uniform, open interface, the weCat3D series can be incorporated by means of the DLL program library or the GigE Vision standard without an additional control unit. Alternatively, wenglor offers its own software packages for implementing your application.



Technical Data

390910 mm			
520 mm			
285455 mm			
130 <i>µ</i> m			
17,843 <i>μ</i> m			
151238 μm			
Laser (blue)			
450 nm			
3B			
5000 Lux			
1830 V DC			
1000 mA			
1756000 /s			
3506000 /s			
045 °C			
-2070 °C			
4			
< 1,5 V			
100 mA			
yes			
yes			
yes			
Ethernet TCP/IP			
100/1000 Mbit/s			
III			
1710277-000			
Aluminum			
IP67			
M12 × 1; 12-pin			
M12 × 1; 8-pin, X-cod.			
Glass			
2330 g			
yes			
•			
1022 1034			
X2 A22			
50 87			

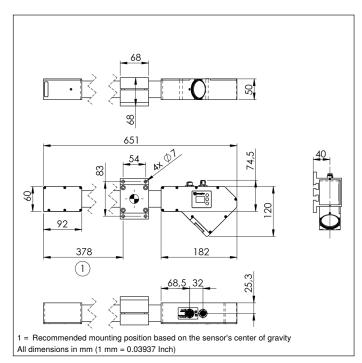
weCat3D

Display brightness may decrease with age. This does not result in any impairment of the sensor function.

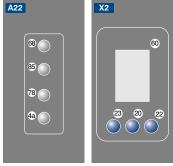
Complementary Products

Complementary i roducts						
Control Unit						
Cooling Unit ZLWK003						
Protective Screen Retainer ZLWS003						
Software						
Switch EHSS001						

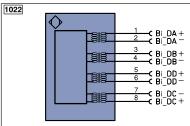


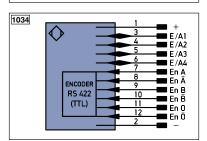


Ctrl. Panel



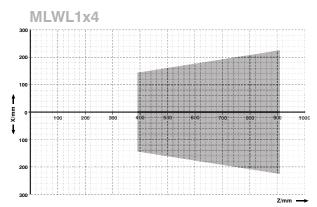
- 20 = Enter Button
- 22 = UP Button
- 23 = Down Button
- 4a = User LED
- 60 = Display
- 68 = Supply Voltage Indicator
- 78 = Module status
- 85 = Link/Act LED





_egen	ıd		PT	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)
+	Supply Voltage +		nc	not connected	ENBRS422	Encoder B/B (TTL)
_	Supply Voltage 0 V		U	Test Input	ENA	Encoder A
~	Supply Voltage (AC Voltage)		Ū	Test Input inverted	ENB	Encoder B
Α	Switching Output	(NO)	W	Trigger Input	Amin	Digital output MIN
Ā	Switching Output	(NC)	W -	Ground for the Trigger Input	Амах	Digital output MAX
V	Contamination/Error Output	(NO)	0	Analog Output	Аок	Digital output OK
⊽	Contamination/Error Output	(NC)	0-	Ground for the Analog Output	SY In	Synchronization In
E	Input (analog or digital)		BZ	Block Discharge	SY OUT	Synchronization OUT
T	Teach Input		Awv	Valve Output	OLT	Brightness output
Z	Time Delay (activation)		а	Valve Control Output +	М	Maintenance
S	Shielding		b	Valve Control Output 0 V	rsv	reserved
RxD	Interface Receive Path		SY	Synchronization	Wire Colors according to IEC 60757	
TxD	Interface Send Path		SY-	Ground for the Synchronization	BK	Black
RDY	Ready		E+	Receiver-Line	BN	Brown
GND	Ground		S+	Emitter-Line	RD	Red
CL	Clock		+	Grounding	OG	Orange
E/A	Output/Input programmable		SnR	Switching Distance Reduction		Yellow
0	IO-Link		Rx+/-	Ethernet Receive Path	GN	Green
PoE	Power over Ethernet		Tx+/-	Ethernet Send Path	BU	Blue
IN	Safety Input		Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
OSSD	Safety Output		La	Emitted Light disengageable	GY	Grey
Signal	Signal Output		Mag	Magnet activation		White
BI_D+/-	Ethernet Gigabit bidirect. data	line (A-D)	RES	Input confirmation		Pink
ENors42	Encoder 0-pulse 0-0 (TTL)		EDM	Contactor Monitoring	GNYE	Green/Yellow

Measuring field X, Z





X = Measuring Range











