Analog Evaluation Unit
menu driven

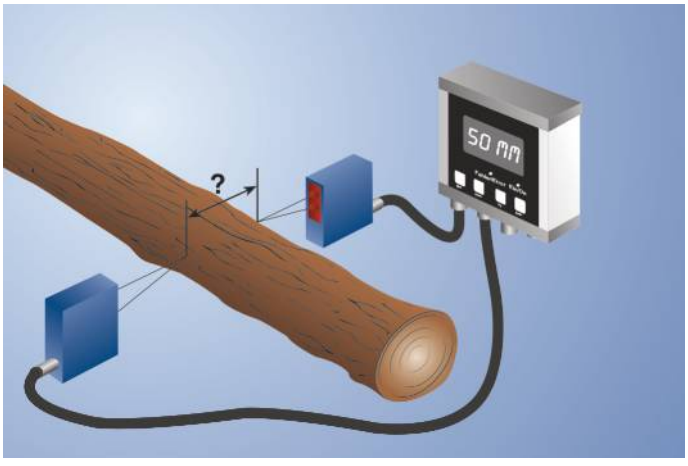
AW02
Part Number

- **Easy operation via menu-driven LCD display**
- **High-speed evaluation of two analog voltages (GOOD/BAD selection)**
- **Measurement of thickness, difference, height, unbalance and volume flow**
- **Two independent outputs**

Technical Data

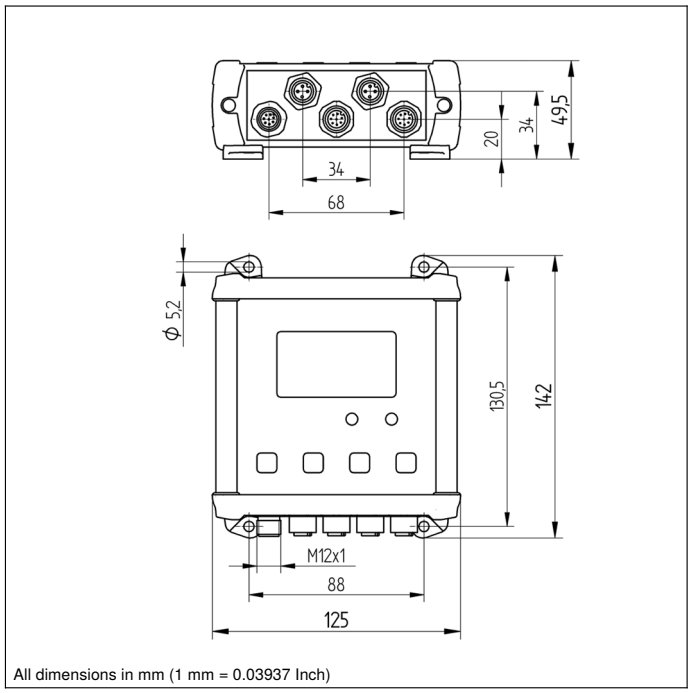
Electrical Data	
Supply Voltage	18...30 V DC
Current Consumption (Ub = 24 V)	100 mA
Measuring Rate	5000 /s
Temperature Range	-10...50 °C
Switching Outputs	2
PNP Switching Output/Switching Current	400 mA
PNP Error Output/Switching Current	400 mA
Analog Output	0...10 V
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Interface	RS-232
Baud Rate	38,4 kBd
Resolution	< 5 mV
Analog Inputs	2
Analog Input	0...10 V
Protection Class	III
Mechanical Data	
Housing Material	Aluminum
Degree of Protection	IP65
Connection	M12 × 1; 8-pin
Packaging unit	1 Piece
Error Output	●
PNP NO/NC switchable	●
Analog Output	●
RS-232 Interface	●
Connection Diagram No.	515
Control Panel No.	AW2
Suitable Connection Technology No.	88

The evaluation unit AW02 is able to process the analog voltage values of two sensors from 0 to 10 V. The user-friendly LCD-display indicates all measurement- and result values. The measurement units can be chosen freely, no matter if volt, millimeter, bar or degree Celsius.



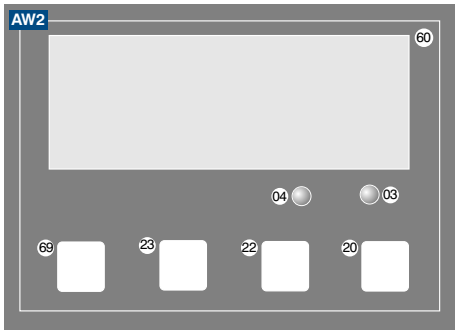
Complementary Products

Interface Cable S232W3

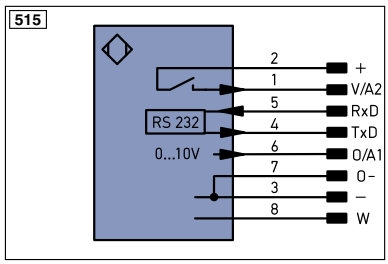


All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel



03 = Error Indicator
04 = Function Indicator
20 = Enter Button
22 = UP Button
23 = Down Button
60 = Display
69 = ESC Button



Legend

+	Supply Voltage +
–	Supply Voltage 0 V
~	Supply Voltage (AC Voltage)
A	Switching Output (NO)
Ā	Switching Output (NC)
V	Contamination/Error Output (NO)
V̄	Contamination/Error Output (NC)
E	Input (analog or digital)
T	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
	IO-Link
PoE	Power over Ethernet
IN	Safety Input
OSSD	Safety Output
Signal	Signal Output
Bl_D+/-	Ethernet Gigabit bidirect. data line (A-D)
EN0 RS422	Encoder 0-pulse 0-0̄ (TTL)
PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ū	Test Input inverted
W	Trigger Input
O	Analog Output
O–	Ground for the Analog Output
BZ	Block Discharge
AMV	Valve Output
a	Valve Control Output +
b	Valve Control Output 0 V
SY	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
EDM	Contactor Monitoring
ENA RS422	Encoder A/Ā (TTL)
ENB RS422	Encoder B/B̄ (TTL)
ENA	Encoder A
ENB	Encoder B
AMIN	Digital output MIN
AMAX	Digital output MAX
AOK	Digital output OK
SY In	Synchronization In
SY OUT	Synchronization OUT
OLT	Brightness output
M	Maintenance

Wire Colors according to DIN IEC 757

BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green/Yellow