

Analog Evaluation Unit

Menu Driven

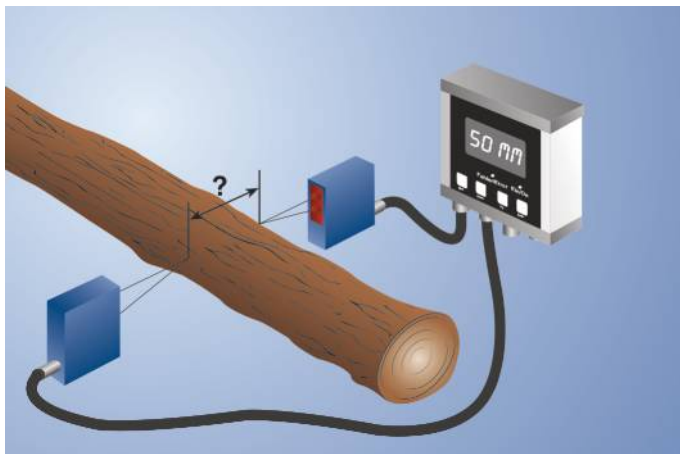
AW02

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

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.



Technical Data

Electrical Data

Supply Voltage	18...30 V DC
Current Consumption (U _b = 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

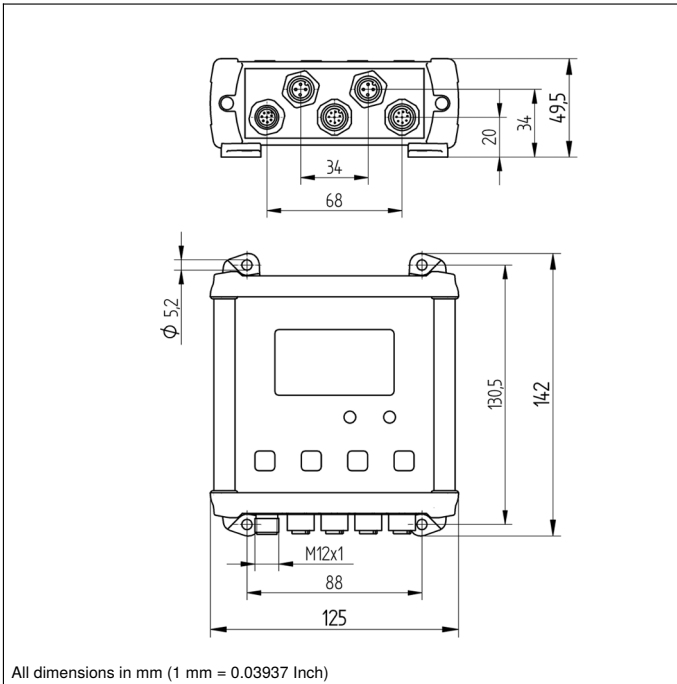
Housing Material	Aluminum
Degree of Protection	IP65
Connection	M12 × 1; 8-pin
Packaging unit	1 Piece

Error Output	●
PNP NO/NC switchable	●
Analog Output	●
RS-232 Interface	●

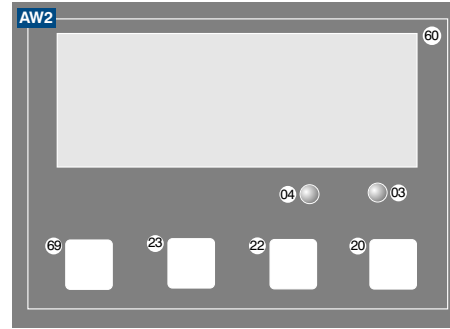
Connection Diagram No.	515
Control Panel No.	AW2
Suitable Connection Technology No.	88

Complementary Products

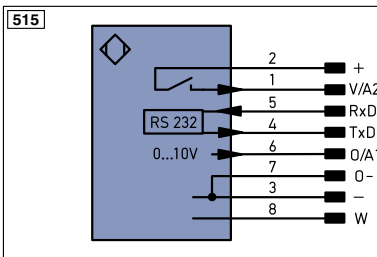
Interface Cable S232W3



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 +	PT	Platinum measuring resistor	ENa	Encoder A
-	Supply Voltage 0 V	nc	not connected	ENb	Encoder B
~	Supply Voltage (AC Voltage)	U	Test Input	AMIN	Digital output MIN
A	Switching Output (NO)	U	Test Input inverted	AMAX	Digital output MAX
Ā	Switching Output (NC)	W	Trigger Input	AOK	Digital output OK
V	Contamination/Error Output (NO)	O	Analog Output	SY In	Synchronization In
ṽ	Contamination/Error Output (NC)	O-	Ground for the Analog Output	SY OUT	Synchronization OUT
E	Input (analog or digital)	BZ	Block Discharge	0.Lt	Brightness output
T	Teach Input	AWv	Valve Output	M	Maintenance
Z	Time Delay (activation)	a	Valve Control Output +		
S	Shielding	b	Valve Control Output 0 V		
RxD	Interface Receive Path	SY	Synchronization		
TxD	Interface Send Path	E+	Receiver-Line		
RDY	Ready	S+	Emitter-Line		
GND	Ground	≡	Grounding		
CL	Clock	SnR	Switching Distance Reduction		
E/A	Output/Input programmable	Rx+/-	Ethernet Receive Path		
IO-Link	IO-Link	Tx+/-	Ethernet Send Path		
PoE	Power over Ethernet	Bus	Interfaces-Bus A(+)/B(-)		
IN	Safety Input	La	Emitted Light disengageable		
OSSD	Safety Output	Mag	Magnet activation		
Signal	Signal Output	RES	Input confirmation		
Bl..D+/-	Ethernet Gigabit bidirect. data line (A-D)	EDM	Contactorm Monitoring		
EN0.RS422	Encoder 0-pulse 0-0 (TTL)	ENAR5422	Encoder A/Ā (TTL)		
		ENBR5422	Encoder B/B̄ (TTL)		

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

