

Analog Evaluation Unit

Menu Driven

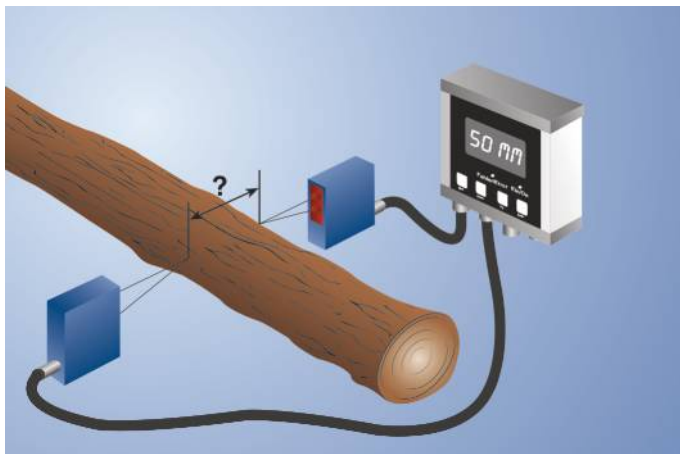
AW02

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
Number of 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
Number of Analog Inputs	2
Analog Input	0...10 V
Protection Class	III

Mechanical Data

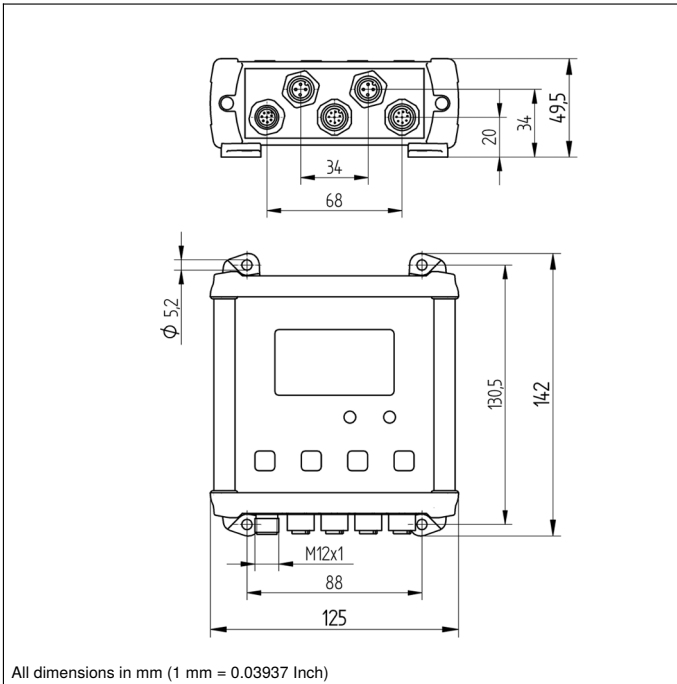
Housing Material	Aluminum
Degree of Protection	IP65
Connection	M12 × 1; 8-pin
Packaging unit	1 Piece

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

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

Complementary Products

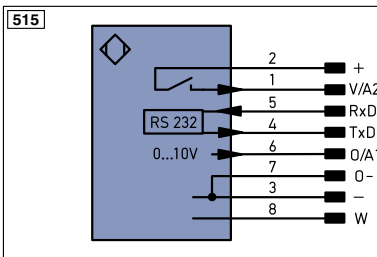
Interface Cable S232W3



Ctrl. Panel



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



Legend		Legend		Legend	
+	Supply Voltage +	PT	Platinum measuring resistor	EN ^{A/RS422}	Encoder A/Ā (TTL)
-	Supply Voltage 0 V	nc	not connected	EN ^{B/RS422}	Encoder B/B̄ (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	EN ^A	Encoder A
A	Switching Output (NO)	Ū	Test Input inverted	EN ^B	Encoder B
Ā	Switching Output (NC)	W	Trigger Input	A ^{MIN}	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	A ^{MAX}	Digital output MAX
Ṽ	Contamination/Error Output (NC)	O	Analog Output	A ^{OK}	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY ⁱⁿ	Synchronization In
T	Teach Input	BZ	Block Discharge	SY ^{OUT}	Synchronization OUT
Z	Time Delay (activation)	A ^{WV}	Valve Output	O ^{LT}	Brightness output
S	Shielding	a	Valve Control Output +	M	Maintenance
RxD	Interface Receive Path	b	Valve Control Output 0 V	rsv	reserved
TxD	Interface Send Path	SY	Synchronization	Wire Colors according to DIN IEC 757	
RDY	Ready	SY-	Ground for the Synchronization	BK	Black
GND	Ground	E+	Receiver-Line	BN	Brown
CL	Clock	S+	Emitter-Line	RD	Red
E/A	Output/Input programmable	±	Grounding	OG	Orange
	IO-Link	S ^{nR}	Switching Distance Reduction	YE	Yellow
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path	GN	Green
IN	Safety Input	Tx+/-	Ethernet Send Path	BU	Blue
OSSD	Safety Output	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
Signal	Signal Output	L ^a	Emitted Light disengageable	GY	Grey
Bl_D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN ^{0/RS422}	Encoder 0-pulse 0-0̄ (TTL)	RES	Input confirmation	PK	Pink
		EDM	Contactur Monitoring	GNYE	Green/Yellow

