

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
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

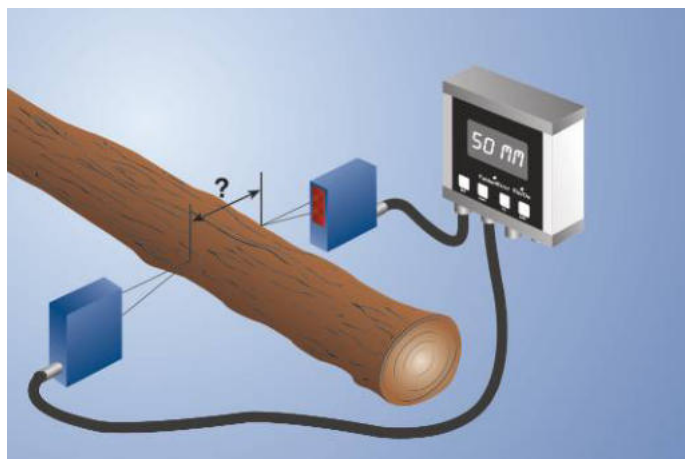
Mechanical Data

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	●

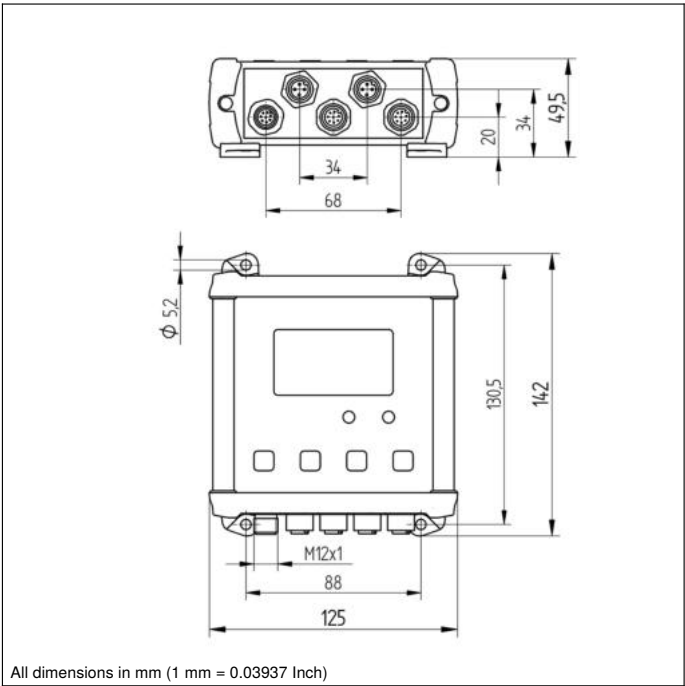
Connection Diagram No.	515
Control Panel No.	AW2
Suitable Connection Equipment No.	88

The AW02 analysis module can process the analog voltage values from 0 to 10 V of two sensors. The user-friendly LCD display shows all measurement and result values. The units of measurement can be freely selected, be it volts, millimeters, bars or degrees Celsius.

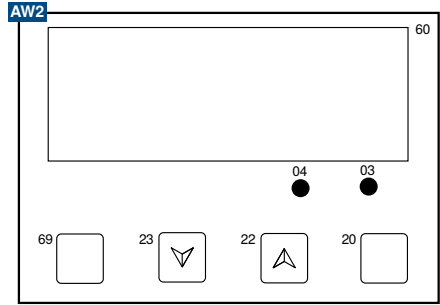


Complementary Products

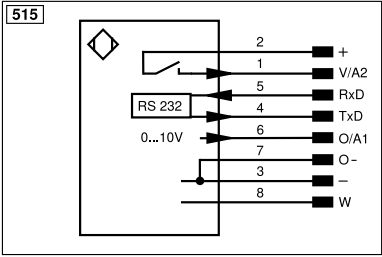
Interface Cable S232W3



Ctrl. Panel



- 03 = Error Indicator
- 04 = Function Indicator
- 20 = Enter key
- 22 = Up key
- 23 = Down key
- 60 = display
- 69 = ESC Button



Legend			
+	Supply Voltage +	nc	Not connected
-	Supply Voltage 0 V	U	Test Input
~	Supply Voltage (AC Voltage)	Ü	Test Input inverted
A	Switching Output (NO)	W	Trigger Input
Ä	Switching Output (NC)	W-	Ground for the Trigger Input
V	Contamination/Error Output (NO)	O	Analog Output
Ȳ	Contamination/Error Output (NC)	O-	Ground for the Analog Output
E	Input (analog or digital)	BZ	Block Discharge
T	Teach Input	Amv	Valve Output
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	SY-	Ground for the Synchronization
RDY	Ready	E+	Receiver-Line
GND	Ground	S+	Emitter-Line
CL	Clock	±	Grounding
E/A	Output/Input programmable	SnR	Switching Distance Reduction
IO-Link		Rx+/-	Ethernet Receive Path
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)
OSSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
Bl_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
ENo RS422	Encoder 0-pulse 0/Ü (TTL)	EDM	Contact Monitoring
PT	Platinum measuring resistor	ENARs422	Encoder A/Ä (TTL)
		ENBRs422	Encoder B/B (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
		rsv	Reserved
Wire Colors according to DIN IEC 60757			
		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