

Stationary SONAPHONE S-SB10.xx



With the ‘**Stationary SONAPHONE S-SB10.xx**’ and its associated probes machine and plant processes can be monitored permanently, insofar as a detectable ultrasonic level is generated.

A fixed installation at an inspection point enables trend monitoring for longer periods. Based on changes of the ultrasonic sound level the assessment of plant condition is possible. Different probe versions support **airborne sound and structure-borne sound** applications.

In the described version, a **current output** and a **RS485 interface** are available.

GENERAL DATA			
Device type	Sensor box for the use of different probes to monitor ultrasonic sound levels stationary		
Frequency range	Up to 100 kHz (variable, upon request)		
Measuring range	0 ... 128 dB μ V		
Mounting	2 threaded holes (see technical drawing)		
Operating voltage	9 ... 24 VDC		
Electrical connection (see also pin assignment)	Input / Connection for probes (others upon request)	S-SB10.01	Mini-XLR
		S-SB10.02	BNC
	Output: 5 pin M12 connector		
Interfaces	Current output: 0/4 ... 20 mA for sound level RS485 interface (for configuration)		
Housing material	Cast aluminum alloys, powder-coated		
Operating temperature	-10 °C ... +40 °C		
Storage temperature	-20 °C ... +60 °C		
Degree of protection	IP54		
Dimensions (L x W x H)	84 x 79 x 44 mm (for details see drawing)		
Weight	ca. 350 g (without cable and probes)		

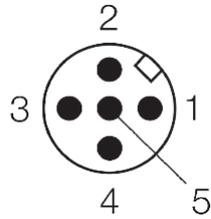
VERSIONS AND ORDER INFORMATION			
Versions	S-SB10.01	Connector: Mini-XLR	200 01 0328
	S-SB10.02	Connector: BNC	200 01 0329
Scope of delivery	Stationary SONAPHONE S-SB10.xx, Technical Data Sheet		
Accessories (optional)	Connecting cable with shielded connector M12 and open end, PVC grey (others upon request)		
Order number	2 m 400 01 0061	5 m 400 01 0060	10 m 400 01 0170

Probes (optional)

PROBE DESIGNATION	Airborne sound probe L50	Structure-borne sound probe L52	Structure-borne sound probe T10
Connector	Mini-XLR	Mini-XLR	BNC
			
Bandwidth	40 kHz ± 2 kHz		1 MHz
Degree of protection	IP20		IP54
Weight	approx. 25 g	approx. 150 g	approx. 5 g
Order number	100 01 0336	100 01 0150	100 01 0378

Electrical connection (Output)

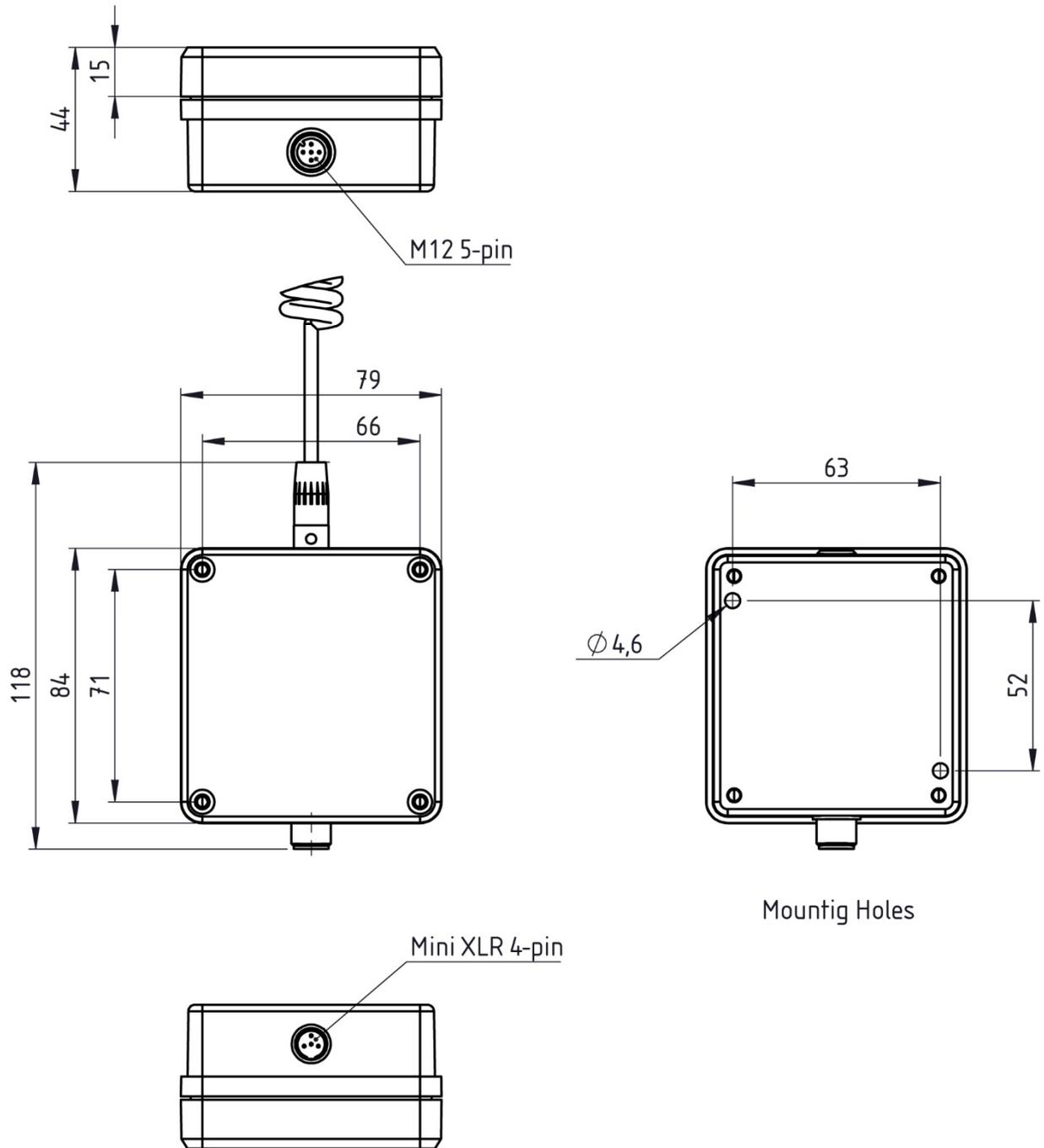
5 pin
M12 connector



(male connector at the ,Stationary SONAPHONE S-SB10.xx ‘)

	PIN	ANSCHLUSS
Pin assignment	1	Operating voltage +9 ... 24 VDC
	2	Current output (0/4 ... 20 mA) for sound level
	3	Ground (Signal)
	4	RS485 B
	5	RS485 A

TECHNICAL DRAWING



Drawings are not to scale. Information is subject to change without notice.

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