The USB Data Converter supports the following tasks:

- Operation and parameterization of SONOTEC sensors (supported types see below) via the USB 2.0 interface of a computer

- Mobile operation of sensors via a standard USB power socket or power bank – especially useful for sensors with display

- Triggering of the functions stored for the digital sensor input (for options see 'push button switch')

Note: The serial interface can be used via the computer and associated software. Further sensor interfaces are not available. SONOTEC offers different types of USB Data Converters. Please contact our service.

Technical data

GENERAL DATA	
Part number	200 01 0337
Supported sensor types	SONOFLOW CO.55/xxxSD(H) V2.0 With additional adapter cable (see 'Accessories'): SEMIFLOW CO.55/xxx V2.0 / SEMIFLOW CO.65/xxxPI V2.0
Operating voltage	5 V (overcurrent protection by resettable fuse 400 mA, 60 V)
Connecting cable	PVC, unshielded, gray 2 m (± 10 cm)
Current consumption	max. 500 mA (when connected to flow sensors V2.0 with display)
Connectors	8-pin M12 Connector, DIN EN 61076-2-101:2012	USB V2.0, type A
M12 connector	

Female connector (at the cable)

Male connector (at the sensor)

Assignment	Color	Pin	Connection
	White	1	Ground
	Brown	2	Operating voltage +12 V DC
	Yellow	4	RS-485 B
	Gray	5	RS-485 A
	Red	8	Digital IN
		3, 6, 7	Not assigned

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LED status	Power: Green = on
	COM (serial communication): flashing Green = Sensor-TX | Red = Sensor RX, reduced intensity = sensor is not responding
Push button switch	D_{IN}: Triggering the digital sensor input (e.g. for flow zero adjust / volume reset / sensor reset; adaptable in sensor settings)
Materials	Housing: plastic (ABS) gray | Cable bend relief: PVC, black (for details to cable: see page 1)
Dimensions (L × W × H)	50 mm × 25 mm × 15.5 mm (housing)
Ambient temperature	0 ... +60 °C
Storage temperature	-20 ... +70 °C
Degree of protection	IP50 on USB side (IP65 at M12 connector)
Labeling	Product name, manufacturer name, serial number
Maintenance	Maintenance-free
Scope of supply	• Portable USB Data Converter Type 023 • Technical Data Sheet
Accessories	Adapter cable (to Binder series 720) for SEMIFLOW sensors

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