Technical Data Sheet

Portable USB Data Converter Type 023

For SONOTEC Flow and Flow-Bubble Sensors

The USB Data Converter supports the following tasks:

- Operation and parameterization of SONOTEC sensors (supported types in the following) 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
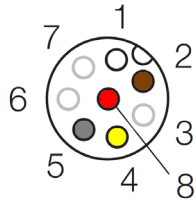- Triggering of the functions stored for the digital sensor input.

⊙ Note: The serial sensor interface can be used via a computer and associated software. Further sensor interfaces are not available. Other USB data converters types on request.

Technical data

Parameter	Specifications
Part number	200 01 0337
Supported sensor types	SONOFLOW CO.55/xxxSD(H) V2.0 │ V3.0 With additional adapter cable (see 'Accessories'): SEMIFLOW CO.55/xxx V2.0 │ SEMIFLOW CO.65/xxxPI V2.0
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)
Operating voltage	5 V (overcurrent protection by resettable fuse 400 mA, 60 V)
Current consumption	Max. 200 mA at USB port (when connected to sensors with display)
Materials	Housing: plastic (ABS) gray │ Cable bend relief: PVC, black
Ambient temperature	0 ... +60 °C **Storage temperature** -20 ... +70 °C
Degree of protection	IP50 on USB side, IP65 at connector

Connecting cable	PVC, unshielded, gray 2 m (± 10 cm)
Connectors	8-pin M12 connector, DIN EN 61076-2-101:2012 │ USB V2.0, type A

Female connector
(at the cable)

Pin	Assignment	Color
1	Ground	White
2	Operating voltage	Brown
4	RS-485 B	Yellow
5	RS-485 A	Grey
8	Digital input (D_{IN})	Red
3 │ 6 │ 7	Not assigned	

Dimensions (L × W × H)	50 mm × 25 mm × 15.5 mm (housing)

Labeling		• Product name • Manufacturer name • Serial number • QR code

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

ATTENTION

Damage to the USB port possible.

Due to the rigidity of the cable, tensile or torsional stresses can be transmitted to the USB port. In rare cases, this can lead to damage. Avoid any excessive stress.

Drawings are not to scale. Dimensions in mm, unless otherwise specified. Information is subject to change without notice. SONOTEC is a registered trademark.

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