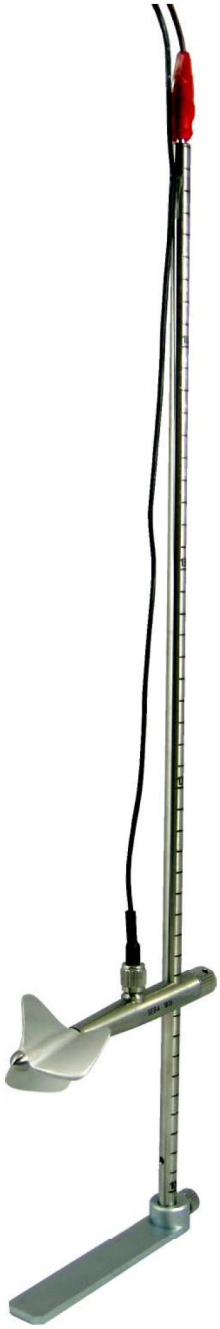
Mini Current Meter M1

The **SEBA-Mini Current Meter M1** serves for determination of the current velocities in laboratories, river models, brooks, small rivers with low water level and for tubes with small diameters.

Special advantages:
- universal application
- low starting speed
- frictionless contact transmission
- non-corrosive materials
- unit composed system

Description:
a complete current meter equipment comprises current meter, rods with base, cable and the impulse counter (acc. to pic. 7)



pic. 7, Mini Currentmeter M1
on rod 9mm Ø

Propellers and measuring ranges

propeller-diameter	propeller-pitch	V max.	start-velocity
50 mm	250 mm	2,5 m/s	0,03 m/s
50 mm	500 mm	5,0 m/s	0,05 m/s
50 mm	100 mm	2,5 m/s	0,025 m/s
50 mm	50 mm	1,0 m/s	0,025 m/s
30 mm	100 mm	2,5 m/s	0,03 m/s
30 mm	50 mm	1,0 m/s	0,03 m/s

Determination of the current velocity

A calibration of the mini current meter with the particular propellers will be recommended, so that the flow velocity can be determined according to formula

$$V = k \cdot n + D$$

V = flow velocity m/s
k = hydraulic pitch (m) *)
n = propeller revolutions per second
D = characteristic of the current meter (m/s) *)
*) to be determined by tests in a hydraulic towing channel.

Instrument case

The Mini Current Meter is stored with its spare parts and accessories - without signal counter - in a weatherproof aluminium case. You will find the parts clearly arranged in a deep drawn plastic tray. (pic. 8)
Dimensions: 553 x 225 x 90[mm]
Weight: 3,2 kg

Spare parts

2 special ball bearings, wing oil, instruments as special key pin Ø2.8.

Accessories

Meter bodies, rod with base, 4m connection cable with special clamp for attachment on rod (Ø 20 mm) and adjustment device.

pic. 8, instrument case

The all purpose SEBA Mini Current Meter M1 cannot fully replace a bigger current meter.