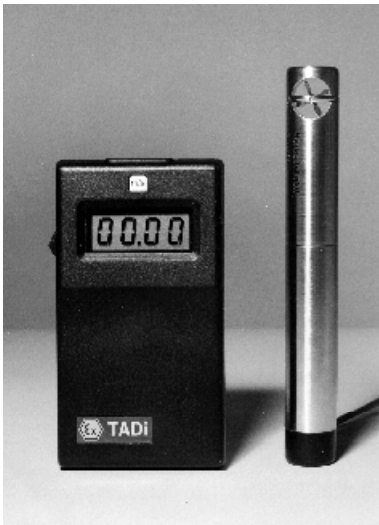


X TADi



A pocket size vane wheel anemometer for measuring in explosive atmospheres.

Depending on the type of sensor and TADi configuration, measuring of flow can be carried out in air/gases or water/liquids. Measurable value is the flow velocity v in m/s.

The TADi is the first digital pocket size vane wheel anemometer approved according to the European Standards EN 50014/50020.

Protective system **EEx ib IIC T6**, measuring circuit intrinsically safe. Approval No. Ex-82/2082.

Hardware

Input

for v-transmitters FA in protective system **EEx ib IIC T6** with appropriate input plug. Input for Höntzsch vane wheel flow sensors FA which do not sense the direction of flow: cylinder probes, vane wheel measuring probes with measuring tube ... Connection cable with 2 conductors and cable screen.

ON/OFF/ON switch

ON in upper position: short-term measurements, measuring cycle ≈ 2 s

ON in lower position: long-term measurements, measuring cycle ≈ 20 s

Display

LCD liquid crystal display, 4 numeric symbols and decimal point, character height approx. 13 mm.

Power supply

Integrated NiCd-accumulator for a running time of approx. 15 hours. Charge battery by connecting an external charger HL1 to the input connector.

Housing

ABS plastic
W/H/L = 80/ \approx 35/145 mm

Protective system

IP54 for the housing

Working temperature range

-10 °C ... +50 °C

Weight

approx. 265 g

Examples of application

- Control in exhaust gas, flue gas, process gases in all industrial fields, also of corrosive fluids with temperatures up to 400 °C
- Setting and regulating of air conditioning and ventilating systems
- Control measurements of deposit gas
- Control measurements in filters and ventilators
- Control in exhaust gas of paint spraying chambers
- Use of velocity area method to determine the flow rate or the average flow velocity by acceptance tests and examinations for proof of guarantee correspond-

Factory setting / configuration

Type of vane wheel/measurement range

Configuration of the vane wheel measuring probes FA:

type	Configuration
mn20	mn20 ... mn75/20...
	ms20 ...-18 ms75/20 ...-18
mn40	mn40 ... mn10/40 ...
	ms40 ...-18 ms10/40 ...-18
mn80	mn80 ... ms80 ...-18
mn120	mn120 ... ms120 ...-18
mc20	mc20... mc75/20 ...
	ms20...-9 ms75/20 ...-9
mc40	mc40 ... mc10/40 ...
	ms40 ...-9 ms10/40 ...-9
mc80	mc80 ... ms80 ...-9
mc120	mc120 ... ms120 ...-9
md20	md20 ... md3/20 ...
	ms20 ...-23 ms3/20 ...-23

Medium

'G' = air/gases or 'F' = water/liquids

One of the mentioned setting possibilities is to be chosen when ordering. The hardware configuration effective for your instrument can be found on the back of the indicating instrument.

Please note:

the indicator TADi can only be programmed for one medium type and one type of vane wheel.

ing to VDI/VDE 2640

Corresponding documents

U117_EN	Vane wheel flow sensors FA
U116_GER	Price list FA
U063_EN	TADi Operating Instructions
U200_GER	Price list TADi

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Subject to alteration

U061_EN 10/98