

INLINE DIGITAL FLOW TRANSMITTER, BATCH CONTROL TYPE 8035

Continuous flow measurement & batch control - DN15 ÷ DN50 - Brass / S. Steel Body

The paddle-wheel flow transmitter and batch control is specially designed for use in neutral, solid-free liquids. Fitting and electronic-module can be quickly and easily connected together by a bayonet. The transmitter component converts the measured signal and displays the actual value. Display and menu-guided operating elements allow a customized adjustment of all measuring parameters.

Technical data

Pipe diameter	DN 15 ... 50 (½" ... 2")
Measuring range	0.3 ... 10 m/s As from 3 l/min (DN 15 pipe, 0.3 m/s flow velocity)
Accuracy	1- with in-line calibration (Teach In): ± 0.5% o.F.S. (At 10 m/s)* 2- with standard mean K-factor: ± (0.5% o.F.S. + 2.5% o.R.)* ± 0.5% o.F.S (at 10 m/s)*
Linearity	0.4 % o.R.*
Repeatability	0.4 % o.R.*
Electrical connection	2x PG 13.5
Protection	IP 65
Fluid temperature	0°C ... +100°C
Ambient temperature	0°C ... +60°C, max.
Pressure class	PN 16
Fitting	Brass / Stainless Steel
Housing	PC
Front plate foil	Polyester
Paddle-wheel	PVDF
Axis and bearing	Ceramic
O-rings	FPM standard

* Under reference conditions, i.e. Measuring fluid = water, ambient and water Temperature = 20°C, applying the minimum inlet and outlet pipe straights, Matched inside pipe dimensions [o.R. = of reading; o.F.S. = off full scale (10 m/s)]

Specific data Flow Transmitter

Voltage supply	12 ... 30 VDC (Option: 115/230 VAC)
Output signal	4 ... 20 mA
Load	Max. 900 W a 30 V Max. 500 W a 24 V Max. 100 W a 15 V
Pulse output	Open collector NPN and PNP, 0 ... 30 V, 100 mA, protected Option: relay Reed closing 0.1 sec., Opening depending On flow rate 0.1 sec. Min. Max. 34 V, 0.2 A
Relay output	2 relays freely programmable 3 A, 230 V

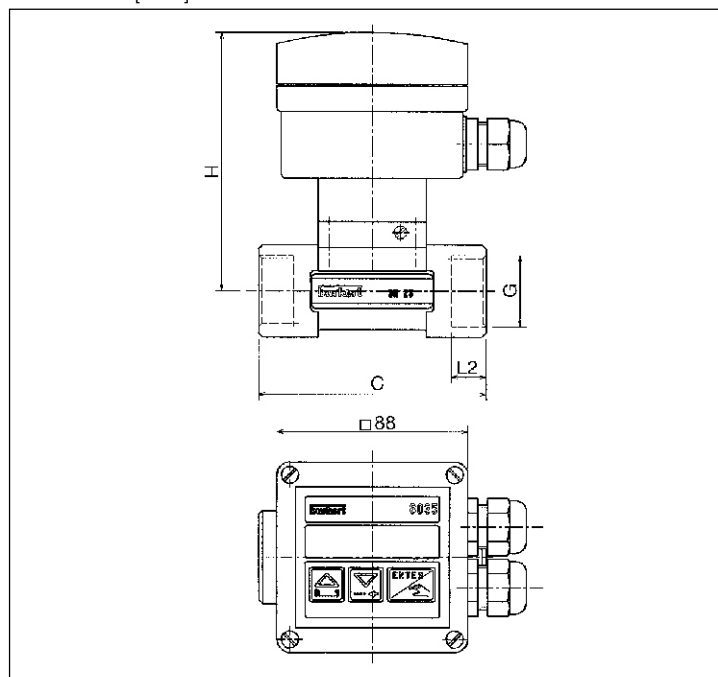
Specific data Batch Transmitter

Voltage supply	115/230 VAC (Option: 12 ... 30 VDC)
Digital inputs	4 inputs, 5 ... 30 VDC
Digital output	1 output, oprn collector NPN And PNP, 0 ... 30 V, 100 mA Protected
Relay output	2 relays, freely programmable, 3 A, 230 V

Options

- 4...20 mA, pulse output, 2 totalizers, 12...30 VDC, 1x PG 13.5
- Batch, 2 relè, 2 totalizers, 1 x flow, 12...30 VAC, 2x PG 13.5
- 4...20 mA, pulse output, 2 totalizers, 115...230 VAC, 2x PG 13.5
- 2 relays, 115...230 VAC, 2x PG 13.5
- 4...20 mA, pulse output reed relay, 2 totalizers, 115...230 VAC, 2x PG 13.5
- External threaded port connection G 3/4 - G 1 1/2 (DN 15-32)
- External threaded port connection M55 x 2 (DN 40)
- External threaded port connection M64 x 2 (DN 50)

Dimensions [mm]



Dimensions [mm]

Thread	DN	C	L2	H
G 1/2	15	85.0	16.0	122
G 3/4	20	95.0	17.0	119
G 1	25	105.0	23.5	120
G 1 1/4	32	120.0	23.5	123
G 1 1/2	40	130.0	23.5	127
G 2	50	150.0	27.5	134

- ✓ Show both flow and volume (2 totalizers)
- ✓ Easy commissioning due to Multi-language, menu-guided Operation
- ✓ TEACH-IN: automatic calibration In particular applications

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Operating an d display flow transmitter

► Indication in operating mode

- Flow
- Output current
- Main totalizer
- Daily totalizer and reset function

► Parameter definition

- Language
- Engineering units
- K-factor / Teach-In function
- Measuring range 4-20 mA
- Pulse output
- Relay (option)
- Filter
- Reset of main totalizer

► Test

- Alteration of basic adjustment (offset, span)
- Frequency test of sensor
- Flow simulation (dry-run test operation)

Operating and display batch controller

► Indication in operating mode

- Totalizzatore giornaliero ed azzeramento
- Quantità da dosare
- Modalità dosatura
- Flusso

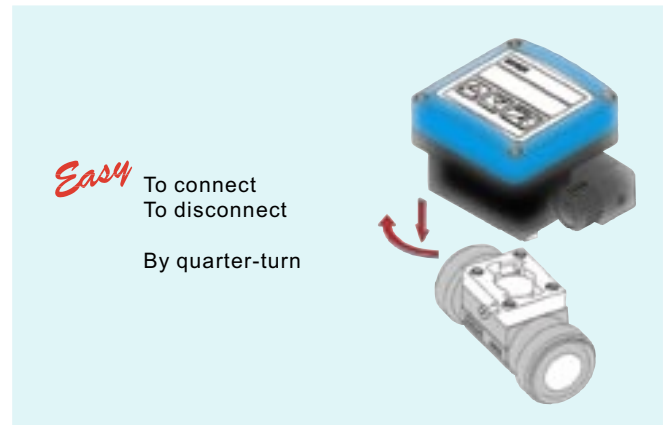
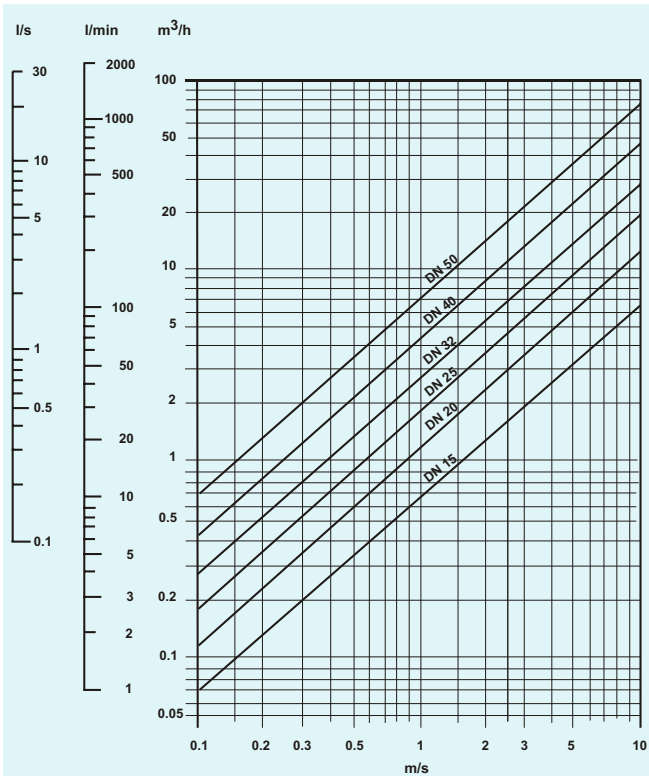
► Parameter definition

- Language
- Engineering units
- K-factor / Teach-In function
- Selection of batching mode
- Over-run correction
- Alarm
- Function mode of relays
- Reset of main totalizer

► Test

- Display of state of binary inputs
- Relay test
- Sensor frequency test

SELECTION OF FITTING/PIPE-SIZE



SPECIFICATIONS

ORDERING CHART

4...20 mA, 2 relè, pulse output, 2 totalizers

Threads [pollici]	DN [mm]	Weight [kg]	Brass code	S. Steel code
G 1/2	15.0	0.88	424 798 T	424 906 Q
G 3/4	20.0	0.92	424 799 U	424 907 R
G 1	25.0	1.12	424 800 S	424 908 S
G 1 1/4	32.0	1.47	424 801 P	424 909 T
G 1 1/2	40.0	1.64	424 802 Q	424 910 P
G 2	50.0	2.01	424 803 R	424 911 C

SPECIFICATIONS

ORDERING CODE

Batch, 2 relays, 2 totalizers, 1x flow

Threads [Inch]	Dn [mm]	Weight [kg]	Brass cose	S. Steel code
G 1/2	15.0	0.88	424 816 D	424 924 H
G 3/4	20.0	0.92	424 817 E	424 925 A
G 1	25.0	1.12	424 818 P	424 926 B
G 1 1/4	32.0	1.47	424 819 Q	424 927 C
G 1 1/2	40.0	1.64	424 820 M	424 928 M
G 2	50.0	2.01	424 821 A	424 929 N