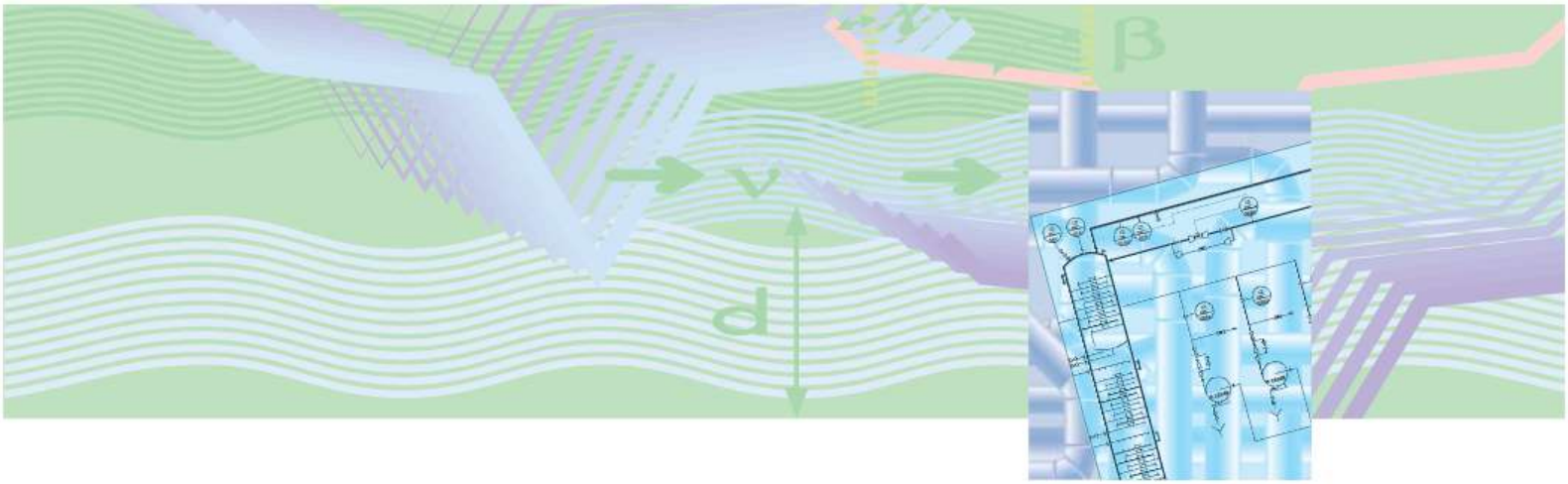
FLUXUS® ADM

for permanent installation



PROCESS INSTRUMENTS

FLEXIM

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FLEXIM

... optimizing the process

The flowmeters of the FLUXUS® ADM XXX7 series are designed for permanent installation. Featuring a unique dual μP architecture with digital signal processor (DSP), they operate with stable results even under difficult measurement conditions (multi product liquids, liquids with high solid particle or gas content). The high measuring rate (1000 measurements per second compared to a few measurements per second in the case of conventional US-flowmeters) allows a real time statistical evaluation of the raw data.



... the EEx factor

The FLUXUS® ADM 8027 has been designed specifically for hazardous areas. The electronics and terminals are hermetically sealed. The unit can be operated without opening its robust enclosure.

... integrated FLUXUS® solutions

The FLUXUS® ADM 7907 has been designed for use in 19" rack systems. A flexible back-panel terminal board allows for fast and economical installation.

... for industrial applications

The FLUXUS® ADM 7807 can incorporate up to four flow channels and a broad range of process inputs and outputs in an IP65 enclosure.
Thanks to the many plug & play options, this powerful field instrument can easily be adapted to your individual measuring task.

... external measurement of internal flow

With our clamp-on transducers, the trouble with leaky flanged joints encountered when working with inline flowmeters will belong to the past. You will need no sensors made of exotic materials when working with aggressive chemicals. Moreover, the measurement is independent of the pressure and the conductivity of the liquid.

... intelligent transducers!

Each transducer pair is fully calibrated and has a non volatile memory containing the calibration parameters, the serial number and the transducer data.
The hermetically sealed stainless steel transducers and the cable conduit are suitable for harsh environments.

Only two pairs of transducers are necessary to cover all pipe sizes, thereby contributing to reduce stocking costs.

Technical data:

Measuring principle	Ultrasonic time-difference correlation principle
Flow velocity	0.01 m/s ... 25 m/s
Resolution	0.025 cm/s
Repeatability	0.15 % of measured value ± 0.01 m/s
Accuracy	Volume flow: ± 1 % ... 3 % of measured value depending on application ± 0.5 % of measured value with process calibration
	Flow velocity: ± 0.5 % of measured value
Gaseous and solid content	< 10 % of volume
Ambient temperature	-10 °C ... 60 °C
Power supply	100 VAC ... 240 VAC / 12 VDC / 24 VDC
Display	2 x 16 characters, dot matrix LCD, backlit

Transmitters:

Transmitter Type:	**FLUXUS® ADM 7807**
Enclosure, degree of protection	Material: Aluminium, powder coated; IP 65 Field enclosure according to EN 60529
Flow channels	1 or 4
Process inputs	Temperature PT 100 4-wire, current, voltage
Process outputs	Current (0/4 mA ... 20 mA), voltage, frequency, pulse, relay
Serial interface	RS 232, RS 485 optional
Heat quantity measurement	Optional, max. 4 temperature inputs
Data logger	> 100,000 values
Transmitter Type:	**FLUXUS® ADM 7907**
Enclosure, degree of protection	Material: Aluminium; 19" rack unit IP20, front panel IP40 according to EN 60529
Flow channels	1 or 2
Process inputs	Temperature PT 100 4-wire, current, voltage
Process outputs	Current (0/4 mA ... 20 mA), voltage, frequency, pulse, relay
Serial interface	RS 232, RS 485 optional
Heat quantity measurement	Optional, max. 4 temperature inputs
Data logger	> 100,000 values
Transmitter Type:	**FLUXUS® ADM 8027**
Enclosure, degree of protection	IP 66 Field enclosure according to EN 60529
Explosion protection	Flameproof
Certification	EEx d IIC T6 according to ATEX
Material	Aluminium
Flow channels	1 or 2
Process outputs	Current (0/4 mA ... 20 mA), pulse, status, RS 485 optional

Clamp-on transducers:

Transducer Type:	**M2N, M2E**
Rated (possible) pipe diameter range	DN (50) 100 ... DN 6500
Dimensions	(30 x 34 x 60) mm
Material	Stainless steel
Operating temperature	M2N: -30 °C ... 130 °C M2E: -30 °C ... 200 °C, 300 °C for short periods
Degree of protection	IP 65 according to EN 60529; IP 68 optional
Transducer Type:	**Q3N, Q3E**
Rated (possible) pipe diameter range	DN (10) 25 ... DN 400 (1000)
Dimensions	(22 x 18 x 43) mm
Material	Stainless steel
Operating temperature	Q3N: -30 °C ... 130 °C Q3E: -30 °C ... 200 °C, 300 °C for short periods
Degree of protection	IP 65 according to EN 60529; IP 68 optional
Transducer Type:	**Q4N Ex, M4N Ex**
Rated (possible) diameter range	Q4N Ex: DN (10) 25 ... 400 (1000) M4N Ex: DN (50) 100 ... 3000
Dimensions	(30 x 33 x 60) mm
Material	Stainless steel
Operating temperature	-20 °C ... 120 °C
Degree of protection	IP 65 according to EN 60529
Explosion protection	Encapsulation
Certification code	EEx m II 1+6
Certificate number	IBExU 98 ATEX 1012X