Model Key ES-FLOW

Ultrasonic Flow Meters for Liquids

ES- A A A A - A A A - NN - A - A - A A - AAA - A - AAA

Code	Base
1	Meter

Code	Pressure rating
0	10 bar (g)
1	100 bar (g)

Code	Flow range
3	4…1500 ml/min

Code	Housing
I	Industrial

Code	Communication (I/O)
A	RS232 + Analog (n/c control)
B	RS232 + Analog (n/o control)
D	RS232 + DeviceNet (n/c control)
E	RS232 + DeviceNet (n/o control)
K	RS232 + CANopen (n/c control)
L	RS232 + CANopen (n/o control)
M	RS232 + Modbus (n/c control)
N	RS232 + Modbus (n/o control)
P	RS232 + PROFIBUS (n/c control)
Q	RS232 + PROFIBUS (n/o control)
R	RS232 + FLOW-BUS (n/c control)
S	RS232 + FLOW-BUS (n/o control)
V	RS232 + PROFINET (n/c control)
W	RS232 + PROFINET (n/o control)

Code	Analog output
A	0…5 Vdc
B	0…10 Vdc
F	0…20 mA sourcing
G	4…20 mA sourcing

Code	Supply voltage
D	+ 15…24 Vdc

Code	Fluidic connections (in/out)
AA	3 mm OD compression type
11	1/8" OD compression type
22	1/4" OD compression type
33	6 mm OD compression type
88	1/4" Face Seal male
JJ	1/4" Triclamp flanges (max 10 bar (g))
KK	1/2" Triclamp flanges (max 10 bar (g))
99	Other (on request)

Code	Internal seals
0	None

Code	Material
S	Stainless steel SS316

Code	Controller mode
0	Controller disabled (meter only)
A	Controller enabled, analog setpoint
D	Controller enabled, digital setpoint

Code	Digital communication via M12-connection
A	RS232 - ProPar (default)
B	RS485 - FLOW-BUS
C	RS485 - Modbus RTU
D	RS485 - Modbus ASCII

Code	Additional I/O connector (M8)
1	Enabled, Bronkhorst valve output (default)

	PIN 5 M12 connector	PIN 2 M8 connector
Code	Customized IO options	
000	Disabled, 0 Vdc (default)	
A1V	0-10 Vdc output, controller	
B1V	4-20 mAdc output, controller	
B2V	3.8-20.8mADc output (TEIP11/Badger), controller	
C3A	Digital output, min/max alarm	
C4A	Digital output, counter alarm	
C5S	Digital output, enabled by setpoint (for shut-off control)	
C0I	Digital output, high/low switch via remote parameter	
D9E	Digital frequency output, measure	
F9B	Digital pulse output, batch counter	
I3C	Digital input, controller mode valve close	
I8C	Digital input, controller mode valve fully Open	
I1R	Digital input, reset counter	
I2R	Digital input, reset alarm	

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