Flow [Thermal]

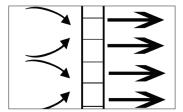
VA 521 - Compact inline flow sensor for compressed air and other types of gas



No inlet section necessary - integrated flow straightener - sensor unit removable

The newly developed VA 521 combines modern digital interfaces for connection to energy monitoring systems with a small, compact design. The VA 521 is always used when many machines (compressed air consumers) are to be integrated into an energy monitoring network.





Integrated flow straightener - no inlet section necessary



With a key stroke:

- Reset counter reading
- Select units
- Implement Parameters



The sensor can be removed from the measuring section and cleaned.

Readout values in the display can be rotated by 180°, e.g. for overhead installation

Display shows 2 values at the same time:

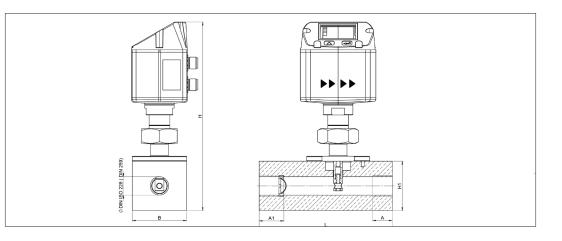
- Present flow in, CFM, I/min/m³/min
- Total consumption (counter reading) in CF, I, kg
- Temperature measurement

Screw-in thread:

Easy installation into the existing pipe due to integrated measuring section (suitable for 1/2", 3/4", 1", 1 1/4", 1 1/2" or 2" lines)

Advantages at a glance:

- Compact, small design for use in machines, behind maintenance unit on the end user
- All interfaces are freely programmable via the display
- Modbus-RTU output
- 4...20 mA analog output for present flow
- Pulse output total flow (counter reading), electrically isolated. Optional: M-Bus, Ethernet interface or PoE
- NEW: Integrated pressure sensor (optional)



Flow measuring ranges VA 521 (max version 185 m/s) for compressed air (ISO 1217: 1000 mbar, 20 °C)
Measuring ranges for other types of gas see pages 104 to 107

Measuring section	Thread	Measuring ra scales	0	L	В	H1	Н	A1	A
		m³/h	cfm	mm	mm	mm	mm	mm	mm
DN 15	G 1/2″	90 m³/h	50	135	55	50	190,65	25	20
DN 20	G 3/4″	170 m³/h	100	135	55	50	190,65	26	20
DN 25	G 1″	290 m³/h	170	135	55	50	190,65	33	25
DN 32	G 1 1/4″	530 m³/h	310	135	80	80	215.45	35	25
DN 40	G 1 1/2"	730 m³/h	430	135	80	80	215.45	36	25
DN 50	G 2″	1195 m³/h	700	135	80	80	215.45	44	30

www.cs-instruments.com/us

Example order code VA 521: 0696 0521_A2_B1_C1_D1_E1_F1_G1_H1_I1_J1_K1_L1_M1_R1

	ring section						
A2	1/2"						
A3	3/4"						
A4	1″						
A5	1 1/4"						
A6	1 1/2"						
A7	2"						
, (i							
Threa	ded version						
B1	G female thread						
B2	NPT female thread						
Matori	al type						
C1	Aluminum						
C2	Stainless steel 316L						
Adjust	ment/calibration						
	No real gas adjustment - gas type configuration per gas						
D1	constant						
D2	Real gas adjustment in the gas type selected below						
Gasty							
Gas ty E1							
	Compressed air						
E2	Nitrogen (N2)						
E3	Argon (Ar)						
E4	Carbon dioxide (CO2)						
E5	Oxygen (O2)						
E6	Nitrous oxide (N2O)						
E7	Natural gas (NG)						
E90	Further gas / please indicate gas type (on request)						
E91	Gas mixture / please indicate mixture ratio (on request)						
	ring range (see table)						
	ring range (see table) Low-speed version (164 ft/s)						
F1							
F1 F2	Low-speed version (164 ft/s)						
F1 F2 F3	Low-speed version (164 ft/s) Standard version (304 ft/s)						
F1 F2 F3 F4	Low-speed version (164 ft/s)Standard version (304 ft/s)Max version (607 ft/s)High-speed version (735 ft/s)						
F1 F2 F3 F4 Refere	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s)						
F1 F2 F3 F4 Refere G1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar						
F1 F2 F3 F4 Refere G1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar						
F1 F2 F3 F4 Refere G1 G2	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar						
F1 F2 F3 F4 Refere G1 G2 G3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar						
F1 F2 F3 F4 Refere G1 G2 G3 G4	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) estandard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar						
F1 F2 F3 F4 G1 G2 G3 G3 G4 Displa	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option						
F1 F2 F3 F4 Refere G1 G2 G3 G3 G4 Displa H1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display						
F1 F2 F3 F4 Refere G1 G2 G3 G3 G4 Displa H1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display						
F1 F2 F3 F4 G1 G2 G3 G3 G4 Displa H1 H2 Optior	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) nce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only \	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display In pressure measurement with: E1, E2, E3, M1, N1, O1)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Option (only v I1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) nce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Option (only v I1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display I pressure measurement vith: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V 11	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mcc standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display h pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V 11	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mcc standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V 11 12	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mcc standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display n pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V I1 I2 I3 Signal	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V I1 I2 I3 Signal	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated),						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V I1 I1 I2 I3 Signal J1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V I1 I1 I2 I3 Signal J1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface (Modbus / TCP), 1 x 420 mA analog						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V I1 I2 I3 Signal J1	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) Mith integrated pressure sensor 0.1529 psi (Output only via digital interfaces) <i>fous connection option</i> 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Modbus-RTU)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only v I1 I2 I3 Signal J1 J2	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only v I1 I2 I3 Signal J1 J2	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display 1 pressure measurement with. E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) 7 bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod-						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V H1 H2 I3 Signal J1 J2 J3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display n pressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor With integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod- bus-RTU)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only V H1 H2 I3 Signal J1 J2 J3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display mpressure measurement with: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) With integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface PoE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Mod- bus-RTU) M-Bus, 1 x 420 mA analog output (not electrically isolated), M-Bus, 1 x 420 mA analog output (not electrically isolated), M-Bus, 1 x 420 mA analog output (not electrically isolated), M-Bus, 1 x 420 mA analog output (not electrically isolated), M-Bus, 1 x 420 mA analog output (not electrically isolated), M-Bus, 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod- bus-RTU)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only v I1 I2 I3 Signal J1 J2 J3 J3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display 1 pressure measurement vith: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Mod- bus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod- bus-RTU) M-Bus, 1 x 420 mA analog output (not electrically isolated), RS 485 (Modbus-RTU)						
F1 F2 F3 F4 Refere G1 G2 G3 G4 Displa H1 H2 Optior (only v I1 I2 I3 Signal J1 J2 J3 J3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) mce standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display vithout display 1 pressure measurement with. E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) 7 bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Mod- bus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod- bus-RTU) M-Bus, 1 x 420 mA analog output (not electrically isolated), RS 485 (Modbus-RTU) Ethernet						
F1 F2 F3 F4 G1 G2 G3 G4 Displa H1 H2 Optior (only v I1 I2 I3 Signal J1 J2 J3 J3	Low-speed version (164 ft/s) Standard version (304 ft/s) Max version (607 ft/s) High-speed version (735 ft/s) Ince standard 20 °C, 1000 mbar 0 °C, 1013,25 mbar 15 °C, 981 mbar 15 °C, 981 mbar 15 °C, 1013,25 mbar y option with integrated display without display I pressure measurement vith: E1, E2, E3, M1, N1, O1) without pressure sensor with integrated pressure sensor 0232 psi(g) (Output only via digital interfaces) with integrated pressure sensor 0.1529 psi (Output only via digital interfaces) / bus connection option 1 x 420 mA analog output (not electrically isolated), pulse output, RS 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated, RS), 485 (Modbus-RTU) Ethernet interface POE (Modbus / TCP), 1 x 420 mA analog output (not electrically isolated), RS 485 (Mod- bus-RTU) M-Bus, 1 x 420 mA analog output (not electrically isolated), RS 485 (Modbus-RTU)						

Accui	racy class				
L1	± 1.5% of m.v. ± 0.3% of f.s.				
L2	± 1% of m.v. ± 0.3% of f.s.				
Maxin	num pressure				
M1	232 psi				
M2	580 psi (not available with NPT thread >1") (only with C2)				
Surfa	ce conditon				
N1	standard version				
N2	Special cleaning oil and grease free				
NZ	(e. g. for oxygen applications and so on)				
N3	Silicone-free version including special cleaning oil and				
	grease-free				
Speci	al measuring range				
01	no approval				
02	DVGW approval for natural gas (max. 16 bar)				
Spe <u>ci</u>	al measuring range				
R1	Special measuring range (please specify when placing				
	order)				

Order no. VA 521

DESCRIPTION				
Compact inline flow meter				

ORDER NO. 0696 0521 + Order code A_...R_

For further accessories refer to pages 116 to 120

TECHNICAL DATA VA 52	1
Parameters:	m³/h, CFM (1000 mbar, 20 °C) in case of compressed air or Nm³/h, Nl/min (1013 mbar, 0 °C) in case of gases
Units adjustable via keys at display:	m³/h, m³/min, CFM, l/s, ft/min, cfm, m/s, kg/h, kg/min, g/s, lb/min, lb/h
Sensor:	Thermal mass flow sensor
Measured medium:	Air, gases
Gas types are adjustable over CS service software or CS data logger:	Air, nitrogen, argon, CO2, oxygen
Measuring range:	See table
Accuracy: (o. M. V. = of measured value) (o. F. S. = of full scale)	± 1.5% of m.v. ± 0.3 % of f.s. on request: ± 1% of m.v. ± 0.3% of f.s.
Operating temperature:	-22176 °F; -25349 °F with pressure sensor
Operating pressure:	Up to 232 psi, optionally 580 psi
Digital output:	RS 485 interface, (Modbus-RTU), optional M-Bus, Ethernet interface or PoE
Analog output:	420 mA for CFM
Pulse output:	1 pulse per m ³ or per litre electrically isolated. Pulse weight can be set on the display. Alternatively, the pulse output can be used as an alarm relay.
Supply:	1836 VDC, 5 W
Burden:	< 500 Ω
Housing:	Polycarbonate (IP 65)
Measuring section:	Aluminum, 316L
Connection thread of measuring sections:	G 1/2" to G 2" or NPT 1/2" to NPT 2"
Mounting position:	any