

1.3 Air-mass sensors PFM with digital interface

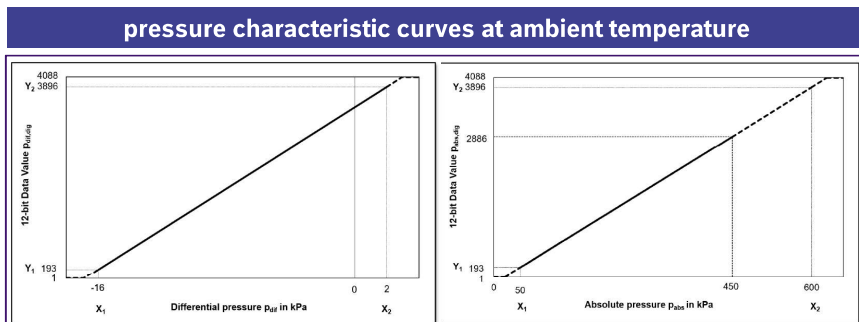


Product type	Picture
PFM VarA	
Part number	
0 280 218 902	

Dimensional drawings

Technical data	
Features	With integrated ambient-temperature sensor.
Interface	SENT
Measuring range differential pressure	p_{diff} -16 ... 2 kPa
Measuring range absolute pressure	p_{abs} 50 ... 450 kPa
Rated supply voltage	U_N 5 V
Supply-voltage range	U_V 4,85 ... 5,15 V
accuracy	$\Delta \dot{m} / \dot{m}$ approx. 2 ... 4 % calculation for each engine
Temperature range	°C -40 ... +130
Pressure drop at \dot{m}_N	Δp depending on size and design of cross section area
Current input	I_{DD} 0,018 A ... 0,045 A
Time constant	$\tau_{DD}^{1)}$ ≤ 7 ms
Time constant	$\tau_{UP,D,SENT}^{2)}$ ≤ 5 ms

- 1) Transient time until supply current settled
2) Time until 1st valid pressure value transfer



Accessories		
Connector	4-pin	Tyco HDSCS Code A

Accessories are not included in the scope of delivery of the sensor and therefore to be ordered separately as required.

[▶ Product groups](#)