

A5ME

CATALOGUE OF TRANSDUCERS SUPPLIED BY Snecma

TYPE : Absolute pressure sensor
 MAKER : **HERAKLES**
 MAIN DESIGNATION : **27VAS1**
 TECHNICAL SPECIFICATION : M2-DID-181 2000 X 7000 SEPB
 M2-DF-181 2000 X 7000 SEPB
 USER MANUAL : M2-MU-181 2000 X 7000 SEPB

- **Designations**

Item designation	Maker's reference	Snecma Part numbers (calibrated)
Transducer	27VA010S1 (*)	DF02162W000
	27VA030S1 (*)	DF02163Z000
	27VA050S1 (*)	DF02164A000
	27VA070S1 (*)	DF02165B000
	27VA100S1 (*)	DF02166C000
	27VA150S1 (*)	DF02167D000
	27VA200S1 (*)	DF02168E000
	27VA300S1 (*)	DF02169F000

- **Metrological characteristics**

Technology : Wheatstone bridge, thin film strain gage

Measuring range (bar) :	10	30	50	70	100	150	200	300
Typical sensitivity (mV/bar) :	2	0.7	0.4	0.29	0.2	0.13	0.1	0.07

- **Conditions of use**

Maximum static pressure : 2 x the range for the measuring range < 300 bar
 1.5 x the range for the measuring range = 300 bar

Boundary temperatures : 20 K to 398 K

Precautions : See M2-MU-181 2000 X 7000 SEPB page 4

• **Mechanical interface**

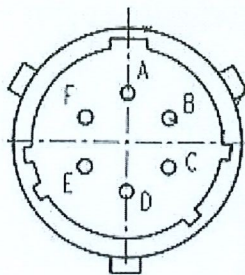
Fitting : Threaded M8 x 1
 Mass : < 55 g
 Mounting torque : 1.2 ± 0.1 daN.m with VSEP seal (with or without lubrication)

• **Electrical interface**

Supply : 10 VDC
 Input impedance : > 700 Ω
 Output impedance : < 1200 Ω
 Insulation resistance : > 1000 M Ω (45 VDC)
 Interface : According the MIL-C 26482 serie 1 / 10 - 06

• **Wiring diagram**

- A: + SUPPLY
- B: + MEASUREMENT
- C: - MEASUREMENT
- D: - SUPPLY
- E: TEST PIN
- F: MECHANICAL GROUND



• **Interface Drawing**

