

## Combustion Pressure Sensors (For Measurement)

**Part Names** CAS-15 series / CAS-23 series / CAS-19 series

**Applications** R&D support, measurement - Standard sensor

CAS-15S CAS-15A CAS-23A CAS-19D



### Specifications

Part No.	CAS-15S	CAS-15A	CAS-23 series	CAS-19系
Applications / Characteristics	For measurement Standard M5	For measurement Standard M5	Micro screw M3.5	φ3.0 ultra-fine type Combined with adapter
Detectable pressure range:Mpa(bar)	0~25 (0~250)			
Sensitivity:pC/MPa (pC/bar)	≒ -220 (-22)	≒ -135 (-13.5)	≒ -95 (-9.5)	≒ -100 (-10)
Linearity(%FSO)※1)	≒ ±0.5	≒ ±0.5	≒ ±0.7	≒ ±0.5
Response frequency range(kHz)	>140	>140	>140	>140
Insulation resistance(Ω)	≧ 10 <sup>13</sup> (25℃)			
Measuring temperature range at pressure-sensitive face(℃)	~350			
Length of sensor section(mm)	24.0	24.8	17.8	63.0
Form of fastening (screw, hex)	M5×0.5,HEX5.5	M5×0.5,HEX4	M3.5×0.35,HEX4	M5×0.5,HEX4
Tightening torque(N・m)	1.5	1.5	1~1.2	1.2
Cooling	Non-Cool			
Cable, output terminal	Dedicated low-noise cable, BNC connector			

※ CAS-15 is included in the lineup.

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