

## Combustion Pressure Sensor (High Pressure Resistant)

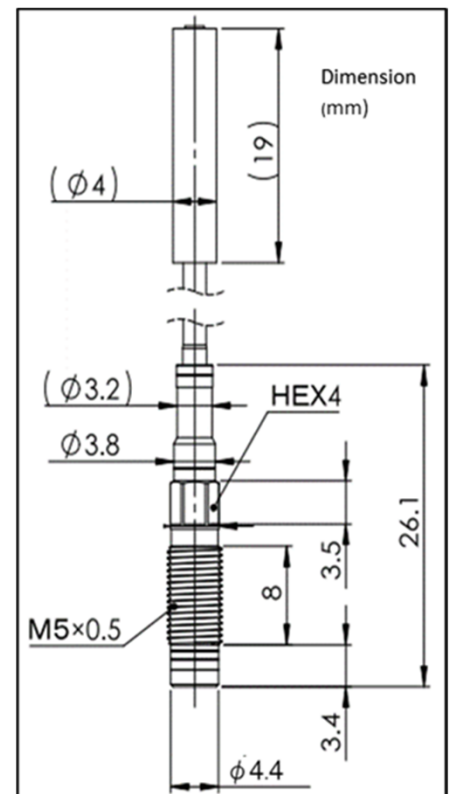
### For measurement of new engine development

#### Features

1. Designed to measure high pressure (800 bar) while also achieving high sensitivity (-13 pC/bar).
2. It can be used for bench measurement of high performance vehicles, supercharged engines, etc
3. High pressure durability and high natural frequency realize the measurement of strong knocking.

#### Specification

Type	MCZ02
Measuring range	0~80MPa (0~800bar)
Sensitivity	-13pC/bar
Linearity	$\leq \pm 1.0\%$ ※1
Natural frequency	$\geq 110\text{KHz}$
Insulation resistance	$\geq 10^{13}\Omega$ ※1
Operating range	-40~400°C ※2
Thermal shock error	$\leq \pm 1.5\text{bar}$ ※3
Mounting dimensions	M5×0.5、HEX : 4 (mm)
Cooling	Non-cooling
Mounting torque	1.5Nm



※1.At normal temperature

※2.Temperature of pressure receiving surface

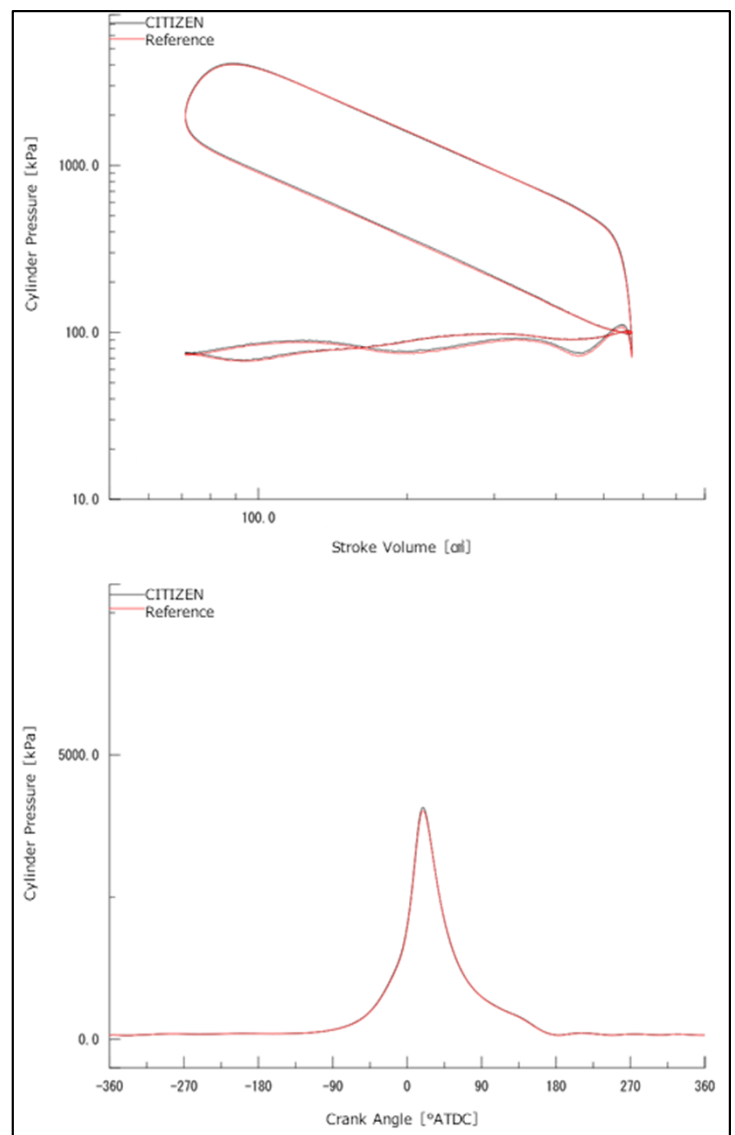
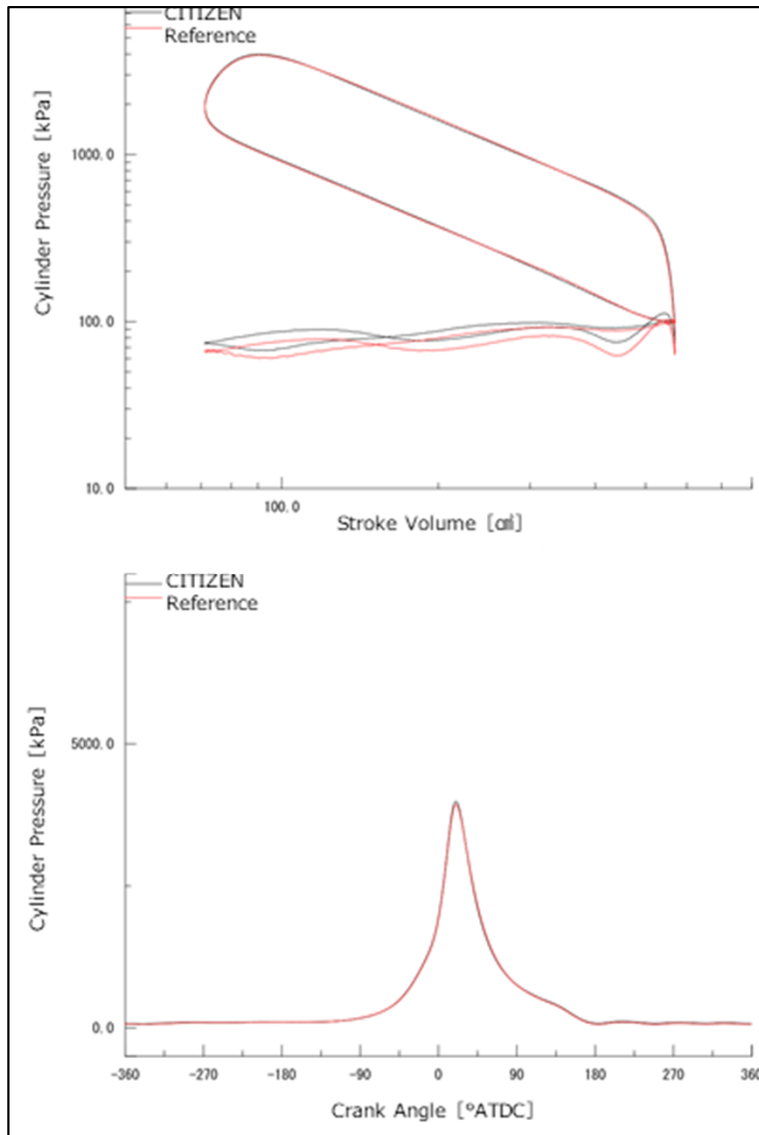
※3.Thermal shock error:1500rpm / IMEP:9bar

※ Recommend our mounting tools.

# Combustion pressure sensor data

@2000rpm 180Nm 300Waveform Average  
\*Reference sensor: Water-cooled sensor

@2000rpm 180Nm 300Waveform Average  
※Reference sensor: Non-cooled sensor



Product specifications are subject to change without notice.