

## NAP-50AF

NAP-50AF sensor is newly developed for the application in bad conditions. This sensor is with charcoal filter on NAP-50A sensor. The actual sensitivity is around 10% lower than NAP-50A, but the resistivity to noise gases like silicone compound vapor is quite more excellent than NAP-50A.

### • Detected gases and concentration

Gases		Detection range
Methane	CH <sub>4</sub>	0.05—5% (0.05—2%)
Ethane	C <sub>2</sub> H <sub>6</sub>	0.05—3.2% (0.05—1.5%)
Hydrogen	H <sub>2</sub>	0.05—4% (0.05—1.5%)
Hydro carbon	C <sub>n</sub> H <sub>2n+2</sub>	1-100%LEL (1-50%LEL)

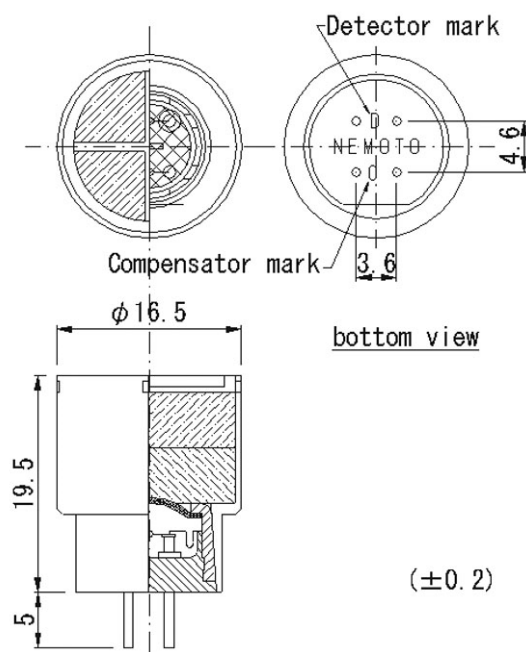
### • Ratings

Items	Ratings
Supply voltage	DC 2.5±0.25V AC 2.5±0.25V(50-60Hz)
Current (at 2.5V)	DC 150—170mA AC 150—170mA(50-60Hz)
Ambient temp.	In operation -10 ~ +50℃ In storage -10 ~ +50℃
Ambient humidity	In operation : less than 95%RH In storage : less than 99%RH (without dew condensation)

( ) is a detection range in high accuracy

### • Gas sensitivity

Gases	Output signal
Zero offset in air	-35—+35mV
Methane 4000ppm	9—17mV
Hydrogen 4000ppm	8—21mV



Structure & appearance of NAP-50AF