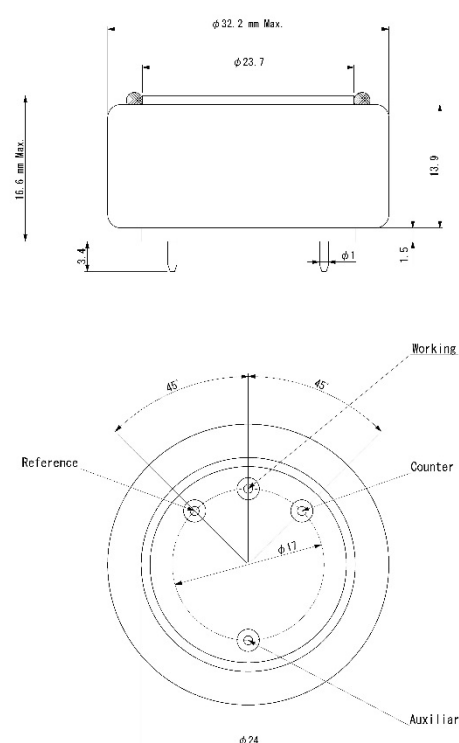


## NE7-CO-H, NE7-CO-H10000

NE7-CO-H series hydrogen sensitivity compensated type carbon monoxide gas sensors which are suitable for fixed applications. There are 2 types in this series, one is the standard type, 0 - 1000ppm of CO, and another one is for high concentration of CO, 0 - 1%. These types have 4 electrodes, and hydrogen gas sensitivity is compensated internally. Then, such one is very suitable for the measurement of CO gas concentration in the exhaust gas from gas or oil combustion equipment without interference of hydrogen gas in incomplete combustion gas. By adhering to industry standards for size and connection orientation, the NE4-CO-H can be retrofitted easily to existing product designs.

### • Characteristics

Items	Features
Detection range.	CO 0~1000ppm (NE7-CO-H) CO 0~1% (NE7-CO-H10000)
Output current	100±20nA/ppm of CO 15±4nA/ppm of CO
Maximum overload	2000ppm (NE7-CO-H) 2% (NE7-CO-H10000)
Repeatability	Less than ±2%
Resolution	0.5ppm (NE7-CO-H) 4ppm (NE7-CO-H10000)
Response time	T90 : less than 40sec.
Typical Baseline Range (pure air)	-3~+15ppm (equivalent) NE7-CO-H -10~+50ppm (NE7-CO-H10000)
Temperature	-20~ +50°C
Humidity	15~90%RH
Long term stability	Less than 5% signal loss/year



Tolerances : ±0.15

Fig. Structure of NE7-CO-H

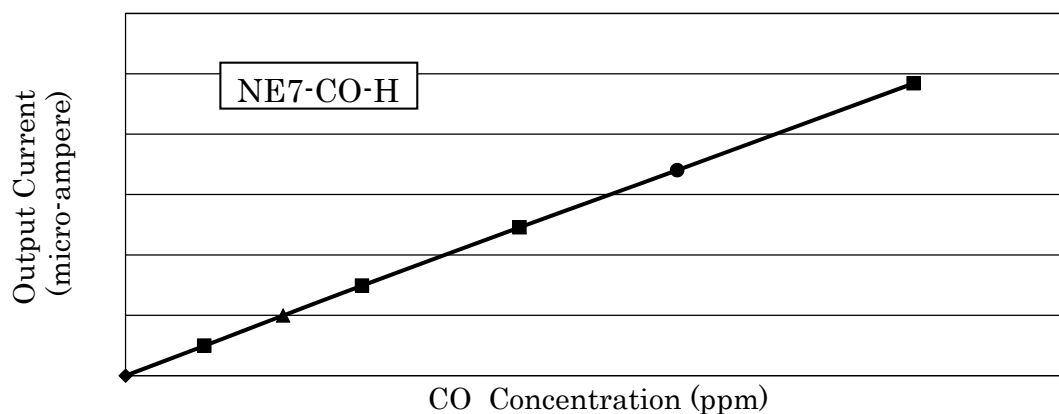


Fig. Gas concentration characteristics