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# TOXIC GAS DETECTOR/ALARM SYSTEM

## Alarm Meter (for toxic gas)

Indoors

Carbon monoxide/Hydrogen sulphide/Ammonia

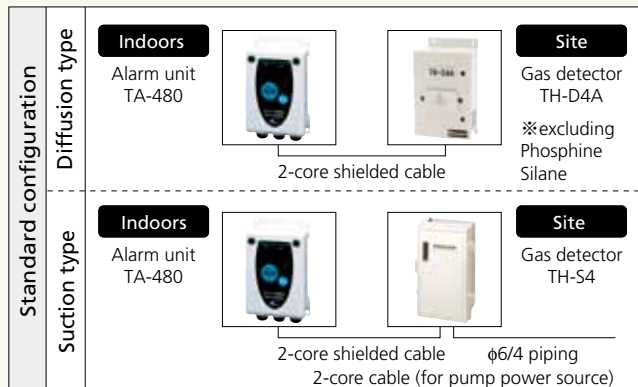
# TA-480

Measuring gases and ranges

|                   |           |
|-------------------|-----------|
| Carbon monoxide   | 0~300ppm  |
| Hydrogen sulphide | 0~50.0ppm |
| Ammonia           | 0~100ppm  |
| Phosphine         | 0~1.00ppm |
| Silane            | 0~20.0ppm |
| Nitric oxide      | 0~500ppm  |



■ The TA-480 used in combination with below gas detectors.



## Gas Detectors (for toxic gas)

Site

Carbon monoxide/Hydrogen sulphide/Ammonia/Nitrogen dioxide/Sulphur dioxide

# TH-D4A

(non Ex · diffusion)

# TH-D4E

(intrinsic safe · diffusion)

# TRD-1T

(flame proof · diffusion)

# TH-S4/S5

(non Ex · suction)



### Specification

| Model                 | TA-480                                                     |                                     |                                                      |
|-----------------------|------------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| Measuring gas         | Carbon monoxide                                            | Hydrogen sulphide                   | Ammonia                                              |
| Detection method      | Chronoamperometry                                          |                                     |                                                      |
| Measuring range       | 0~300ppm                                                   | 0~50.0ppm                           | 0~100ppm                                             |
| Alarm setting value   | 50ppm                                                      | 10.0ppm                             | 25ppm                                                |
| Detectable accuracy   | 0~150ppm:±15ppm<br>150~300ppm:±10% of indicated value      | 0~30ppm:±1.5ppm<br>30~50ppm:±3.0ppm | 0~75ppm:±7.5ppm<br>75~100ppm:±10% of indicated value |
| Alarm accuracy        | ±30% of alarm setting value                                |                                     |                                                      |
| Alarm display         | Intermittent red LED light and intermittent buzzer sound   |                                     |                                                      |
| Alarm contact output  | Non-voltage 1a (standard) or 1b (option)                   |                                     |                                                      |
| Contact capacity      | AC125V · 0.6A or DC110V · 0.6A, DC30V·2A (resistance load) |                                     |                                                      |
| Trouble display       | Intermittent red LED and buzzer sound                      |                                     |                                                      |
| Analogue output       | DC4~20mA                                                   |                                     |                                                      |
| Power source          | AC100V±10% 50/60Hz 1φ                                      |                                     |                                                      |
| Power consumption     | Diffusion type; approx. 5VA, Suction type; approx. 20VA    |                                     |                                                      |
| Operating temperature | -10~40°C; below 95%RH (non-condensing)                     |                                     |                                                      |
| Dimensions            | 120 (W)×205 (H)×69 (D) mm                                  |                                     |                                                      |
| Weight                | Approx. 0.9kg                                              |                                     |                                                      |

### Specification

| Model            | TH-D4A                                      | TH-D4E                   | TRD-1T                     | TH-S4                      | TH-S5                      |
|------------------|---------------------------------------------|--------------------------|----------------------------|----------------------------|----------------------------|
| Measuring gas    | Carbon monoxide, Hydrogen sulphide, Ammonia |                          |                            | Carbon monoxide            | Hydrogen sulphide, Ammonia |
| Detection method | Chronoamperometry                           |                          |                            |                            |                            |
| Sampling method  | Diffusion type                              |                          |                            | Suction type               |                            |
| Explosion-proof  | —                                           | ExiaIICT4 (No.TC15708)   | d3aG4 (No.T41486)          | —                          |                            |
| Main usage       | TA-480, KA-704R/T, KA-708R/T, KU-7R/T       |                          |                            |                            |                            |
| Dimensions       | 93 (W)×160 (H)×70 (D) mm                    | 93 (W)×160 (H)×70 (D) mm | 220 (W)×116 (H)×122 (D) mm | 225 (W)×350 (H)×160 (D) mm |                            |
| Weight           | Approx. 0.7Kg                               | Approx. 0.7Kg            | Approx. 4Kg                | Approx. 2.4Kg              |                            |