



**Portable 2 in 1 gas detector
LPTG-A10**

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Portable 2 in 1 gas detector LPTG-A10 is a lightweight, hand held design gas detector. It synchronously detects concentration of CO₂ gas and that of another gas like O₂, CO, NH₃, and H₂S. LCD display shows real time measurement values. Used in field detection of multiple gases for quality testing and research purpose.

Features

- Equipped with two different types of sensors
- Synchronous detection of two gases at a time
- Long probe for narrow room
- Small volume, Easy to carry
- Automatic self calibration

Applications

Used in bio fuel plants, greenhouse, agriculture, construction, for on field testing of chemical gases and others.

Gas Detector Selection LPTG-A10

| Gas Detectors | Measurement Gas | Range | Accuracy | Response time |
|--|--------------------------------------|---------------------------------|----------|---------------|
| LPTG-A10 O ₂ and CO ₂ | O ₂ and CO ₂ | O ₂ : 5 to 25 % vol | ±5%F.S | <20s |
| | | CO ₂ : 0 to 5 % vol | ±30%rdg | <10s |
| LPTG-A10 SO ₂ and CO ₂ | SO ₂ and CO ₂ | SO ₂ : 0 to 100 ppm | ±5%F.S | <30s |
| | | CO ₂ : 0 to 5 % vol | ±30%rdg | <10s |
| LPTG-A10 CO and CO ₂ | CO and CO ₂ | CO: 0 to 1000 ppm | ±5%F.S | <30s |
| | | CO ₂ : 0 to 5 % vol | ±30%rdg | <10s |
| LPTG-A10 H ₂ S and CO ₂ | H ₂ S and CO ₂ | H ₂ S: 0 to 100 ppm | ±5%F.S | <30s |
| | | CO ₂ : 0 to 5 % vol | ±30%rdg | <10s |
| LPTG-A10 NH ₃ and CO ₂ | NH ₃ and CO ₂ | NH ₃ : 0 to 30 % vol | ±5%F.S | <100s |
| | | CO ₂ : 0 to 5 % vol | ±30%rdg | <10s |

Specifications

| Model no. | LPTG-A10 |
|--------------------------------|--|
| Sampling method | Diffusion |
| Sensor type | CO2: solid electrolyte sensor |
| | O2: electrochemical sensor |
| Detection range | CO2: 0.04 to 5.00 % |
| | O2: 0.0 to 30.0 % |
| Detection accuracy | CO2: ± 30 % rdg (rdg = reading) |
| | O2: ± 3 % F.S. (F.S. = full scale) |
| Display resolution | CO2: 0.01 % |
| | O2: 0.1 % |
| Calibration | CO2: 0.04 % revise the zero point outdoors |
| | O2: 20.9 % revise the zero point outdoors |
| Display | LCD display |
| Battery shelf life | About 20 hours (when using alkaline dry batteries) |
| Operation temperature | -10 to 50 °C |
| Operation humidity | < 90 % RH (non-condensation) |
| Power supply | #5 dry cell, 4/AC 100 to 250 V |
| Dimension Host machine (W*D*H) | 76 × 27 × 145 mm |
| Dimension Detector (W*D*H) | 28 × 27 × 170 mm |
| Weight | About 250 g (includes detector, batteries) |
| HS Code | 9027100090 |