

# RIKEN GAS DETECTOR HEAD

**GD-A80 series**

RoHS  
compliant

CE



【Combustible gases】

**GD-A80**



【Toxic gases】

**GD-A80V**

**Connect with indicator unit**



**RM-5000 series**



**RM-6000 series**

## Features

- Explosion class Exd IIC T4 Gb
- Sample draw, aspirating type available
- Small, rugged

Specifications

|                            |                                                                                       |                                                      |                                                     |                           |                                                                    |
|----------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|---------------------------|--------------------------------------------------------------------|
| Model                      | GD-A80 ※1,2                                                                           | GD-A80V ※1,2                                         | GD-A80S ※1,2                                        | GD-A80N ※1,2              | GD-A80-70 ※1                                                       |
| Detection principle        | Catalytic combustion/New ceramic type                                                 | Semi-conductor type                                  | Hot wire semi-conductor type                        | Thermal conductivity type | Catalytic combustion type                                          |
| Gas to be detected         | Combustible gases                                                                     | Combustible/toxic gases                              | Combustible/toxic gases                             | Combustible/inert gases   | Combustible gases                                                  |
| Detection range            | Diffusion type                                                                        |                                                      |                                                     |                           |                                                                    |
| Transmission cable         | CVV 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core                                    | CVVS・1.25mm <sup>2</sup> or 2mm <sup>2</sup> ・3-core | CVVS 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core |                           | Heat-resistant wire 1.25mm <sup>2</sup> or 2mm <sup>2</sup> 4-core |
| Transmission distance      | Depends on indicator                                                                  |                                                      |                                                     |                           |                                                                    |
| Power supply               | Supply from indicator                                                                 |                                                      |                                                     |                           |                                                                    |
| Operating temperature      | -20 - +53°C(at a constant condition)                                                  |                                                      |                                                     |                           | -40 - +70°C<br>(at a constant condition)                           |
| Operating humidity         | Below 95%RH (Non-condensing)                                                          |                                                      |                                                     |                           |                                                                    |
| Structure                  | Wall mounting type                                                                    |                                                      |                                                     |                           |                                                                    |
| External dimensions/Weight | Approx. 78 (W) x 154 (H) x 105 (D) mm (projection portions excluded)    Approx. 1.0kg |                                                      |                                                     |                           |                                                                    |
| Explosion-proof            | Flame-proof enclosures (ATEX Exd IIC T4 Gb)                                           |                                                      |                                                     |                           |                                                                    |

※1. Sample drawing type available (external pump unit excluded)

※2. Aspirator type available

Standard accessories

- Fix bracket
- Hex driver (2mm)
- Hex driver (4mm)

Optional accessories

- Drip-proof cover
- Calibration cap
- Silicon removal filter: SI-5
- Charcoal filter: CF-8394

