

**RIKEN***— From %LEL to 100% by volume —***PORTABLE COMBUSTIBLE GAS DETECTOR****MODEL NP-85****FEATURES**

- Dual ranges % LEL and % gas by volume
- Intrinsically safe
- Easy-to-use microprocessor control
- Rugged dot matrix LCD display
- Tactile switch control panel
- Compact, lightweight
- Sample drawing system
- LCD digital display illumination
- Continuous monitoring/readout
- User replaceable batteries

**RIKEN KEIKI CO.,LTD.**

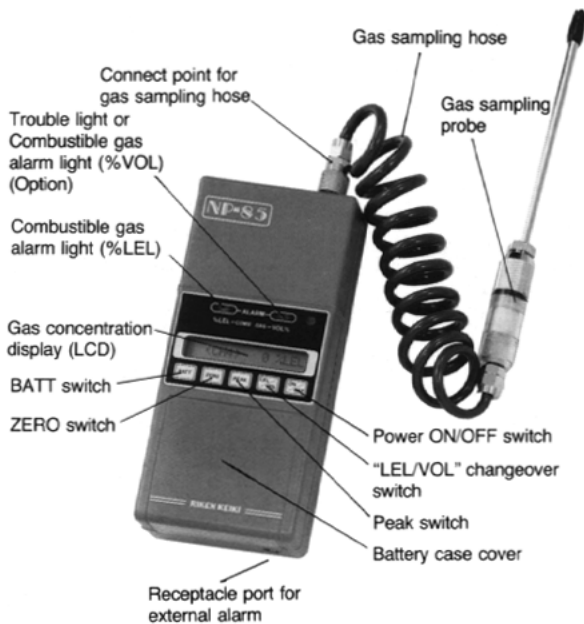


## SPECIFICATIONS

|   |  |   |
|---|--|---|
| <b>Measuring gas</b>                        | General combustible gases or Methane (CH <sub>4</sub> ) or LPG         |   |
| <b>Measuring range</b>                      | <b>0 ~ 100% LEL</b>  | <b>0 ~ 100% VOL</b>   |
| <b>Detection principle</b>                  | Catalytic combustion method  | Thermal conductivity method                                       |
| <b>Sampling method</b>                      | Sample drawing with built-in diaphragm pump                            |   |
| <b>Indication</b>                           | %LEL or %VOL with LCD display  |   |
| <b>Indication accuracy</b>                  | ≧ ± 5% under the constant condition<br>(CH <sub>4</sub> ; ≧ ± 10%)     | ≧ ± 20% under the constant condition<br>(against indicated value) |
| <b>Intrinsic safety</b>                     | id2G3 in Japan   |   |
| <b>Alarm indication</b>                     | Audible & visual   | None  |
| <b>Alarm point</b>                          | 20%LEL (Low), 50%LEL (High)  | None  |
| <b>Response time</b>                        | T90; within 30 seconds   | T90; within 15 seconds  |
| <b>Operatable ambient temperature</b>       | -10°C ~ +40°C  |   |
| <b>Power supply</b>                         | AA size dry battery 1.5V × 4 pcs.                                      |   |
| <b>Continuous operation hours (at 20°C)</b> | Above 5 hours with Alkaline battery (with no alarm, no illumination)   |   |
| <b>Dimensions &amp; weight</b>              | Approx. 85(W) × 190(H) × 40(D) mm    Approx. 800g                      |   |
| <b>Additional functions</b>                 | 1. Connection for outer alarm    2. Automatic LCD light                |   |
| <b>Standard accessories</b>                 | Gas sampling probe, Sampling hose, Carrying case, AA dry cell (4 pcs.) |   |
| <b>Optional accessories</b>                 | Gas sampling bag (for %LEL or %VOL)                                    |   |

• Specifications subject to change without notice.

## NAME OF EACH PART



## RELIABLE PARTNER RIKEN 85 SERIES

| GX-85N   | GP-85N                       |
|--|------------------------------|
| Oxygen; 0 ~ 25%<br>Combustible gas; 0 ~ 100%LEL<br>H <sub>2</sub> S, CO or CO <sub>2</sub> ; Detector tube | Combustible gas; 0 ~ 100%LEL |
|  |                              |



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