

MP-series

Gas detectors



KEY FEATURES

- *Gas detectors for toxic, flammable and refrigeration gases (non ATEX)*
- *Refrigerants as HFC / HCFC and Ammonia*
- *Hydrocarbons like car fuel (hexane), ethanol, Hydrogen, natural gas (methane), propane (LPG) and butane etc*
- *Room mounting IP21 or IP54*
- *Duct mounting*
- *Vent line from pressure relief valves in refrigeration plants*

- Gas detectors for flammable, toxic and refrigeration gases

General:

The MP-series is a range of gas detectors to be used with monitoring units MPU4C or MPU6C.

Models:

- Room mounting (IP21 or IP54)
- Vent line from pressure relief valves
- Duct mounting

Measuring ranges and alarm levels:

Relevant alarm levels depend on application. Alarm levels are always set in the monitoring unit. Detectors supplied as standard for specified gas with preset alarm levels.

Standards and regulations:

Check local standards and regulations as hygienic max values etc.

Be sure wiring is done according to local electrical code requirements.

Technical Data:

MP-D

| | |
|---------------|-----------------------------|
| Material: | PC |
| Ambient temp: | -30 .. +50°C. |
| Humidity: | 10-90 % Rh (non condensing) |
| Weight: | 0,15 kg |
| Dimensions: | 80 x 82 x 56 mm |

MP-DS

| | |
|---------------|-----------------------------|
| Material: | PC |
| Ambient temp: | -30 .. +50°C. |
| Humidity: | 10-90 % Rh (non condensing) |
| Weight: | 0,19 kg |
| Dimensions: | 130 x 82 x 56 mm |

MP-DK

| | |
|---------------|-----------------------------|
| Material: | PC |
| Ambient temp: | 0 .. +50°C. |
| Humidity: | 10-90 % Rh (non condensing) |
| Weight: | 0,08 kg |
| Dimensions: | 380 x Ø 25 mm |


MP-DR


| | |
|---------------|--|
| Material: | HFC, HCFC brass ½"-flare NH3, steel R½" |
| Ambient temp: | 0 .. +50°C. |
| Humidity: | 10-90 % Rh (non condensing) |
| Weight: | 0,14 kg |
| Dimensions: | 70x25 mm |


Common data:


| | |
|----------------------------------|--|
| Cable length to monitoring unit: | 3 x 0,75 mm ² up to 50m 3 x 1,5 mm ² up to 100m |
|----------------------------------|--|

Product summary

| Order code | Model | Description | | |
|---|-----------------|-----------------------|--|--|
|  | MP-D | Room mounting IP21 | | |
| 38-220 | MP-D-HFC | 0-4000 ppm | | |
| 38-230 | MP-D-(CH) | 0-40% LEL | | |
| 38-250 | MP-D-(NH3)-1000 | 0-1000 ppm | | |
| 38-252 | MP-D-(NH3)-4000 | 0-4000 ppm | | |
| 38-280 | MP-D-Metan | 0-40% LEL | | |
| 38-290 | MP-D-Propan | 0-40% LEL | | |

| | | | | |
|---|------------------|-------------------------------------|--|--|
|  | MP-DS | Splash proof, room mounting IP54 | | |
| 38-420 | MP-DS-HFC | 0-4000 ppm | | |
| 38-430 | MP-DS-(CH) | 0-40% LEL | | |
| 38-450 | MP-DS-(NH3)-1000 | 0-1000 ppm | | |
| 38-452 | MP-DS-(NH3)-4000 | 0-4000 ppm | | |
| 38-470 | MP-DS-(H2) | 0-40% LEL | | |
| 38-480 | MP-DS-Metan | 0-40% LEL | | |
| 38-490 | MP-DS-Propan | 0-40% LEL | | |

| | | | | |
|---|------------------|--|--|--|
|  | MP-DK | Detector for duct mounting with 1,5m cable | | |
| 38-820 | MP-DK-HFC | 0-4000 ppm | | |
| 38-850 | MP-DK-(NH3)-1000 | 0-1000 ppm | | |
| 38-852 | MP-DK-(NH3)-4000 | 0-4000 ppm | | |

| | | | | |
|---|----------------|--|--|--|
|  | MP-DR | Detector specially designed for vent lines from pressure relief valves in refrigeration plants. IP54 | | |
| 38-620 | MP-DR-HFC | 0-4000 ppm | | |
| 38-652 | MP-DR-NH3-4000 | 0-4000 ppm | | |

Preset alarm levels, standard:

| | |
|--------------------|-------------------|
| NH3 -1000ppm: | 150/300/500 ppm |
| NH3 -4000ppm: | 150/500/3000 ppm |
| HFC: | 100/1000/2000 ppm |
| Hydrocarbons (CH): | 5/10/20% LEL |
| Methane: | 5/10/20% LEL |
| Propane: | 5/10/20% LEL |
| Hydrogen(H2): | 5/10/20% LEL |