



# GM35

IN-SITU GAS ANALYZERS

**SICK**  
Sensor Intelligence.



## Ordering information

| Type | Part no.   |
|------|------------|
| GM35 | On request |

Other models and accessories → [www.sick.com/GM35](http://www.sick.com/GM35)



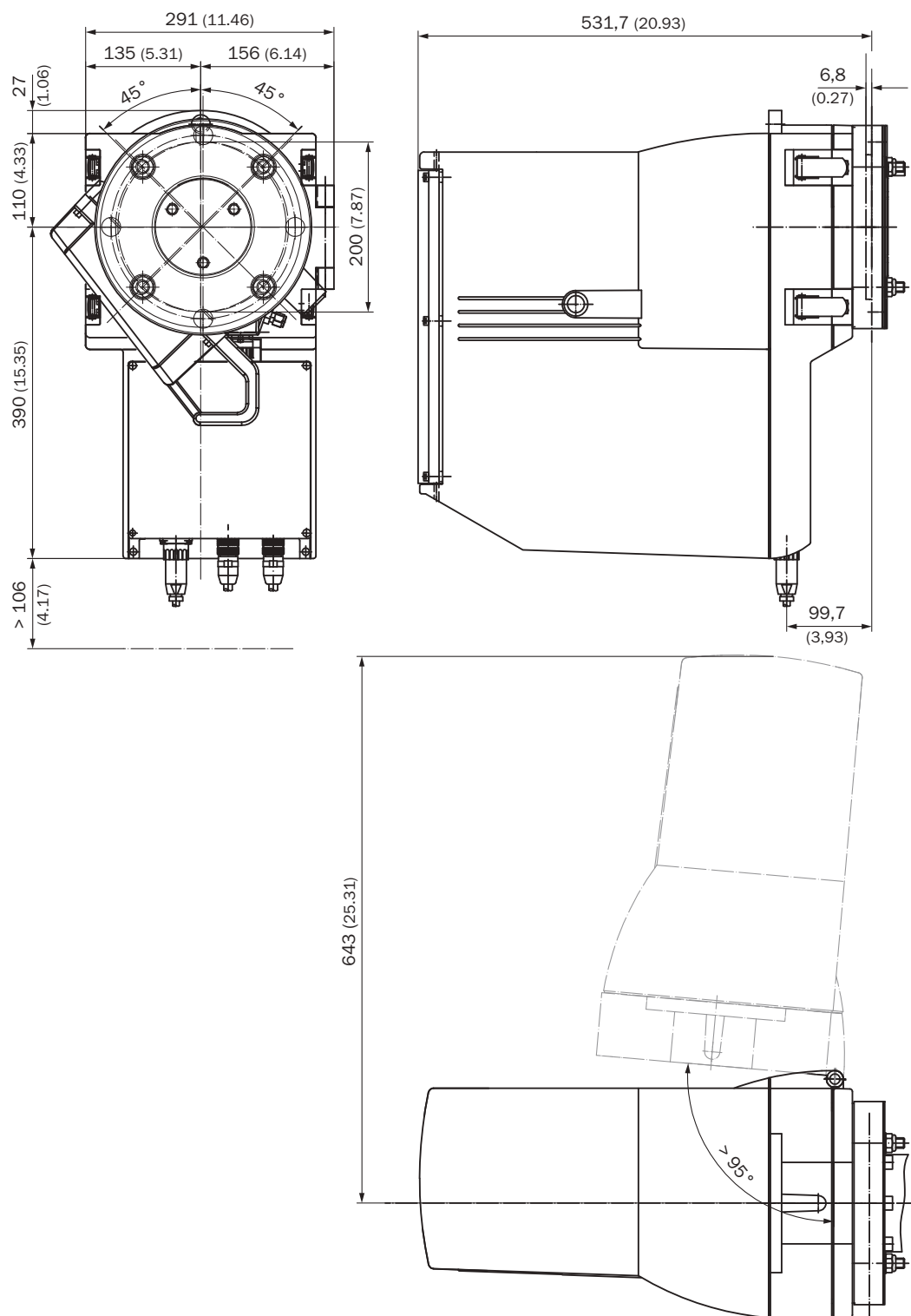
## Detailed technical data

## Classifications

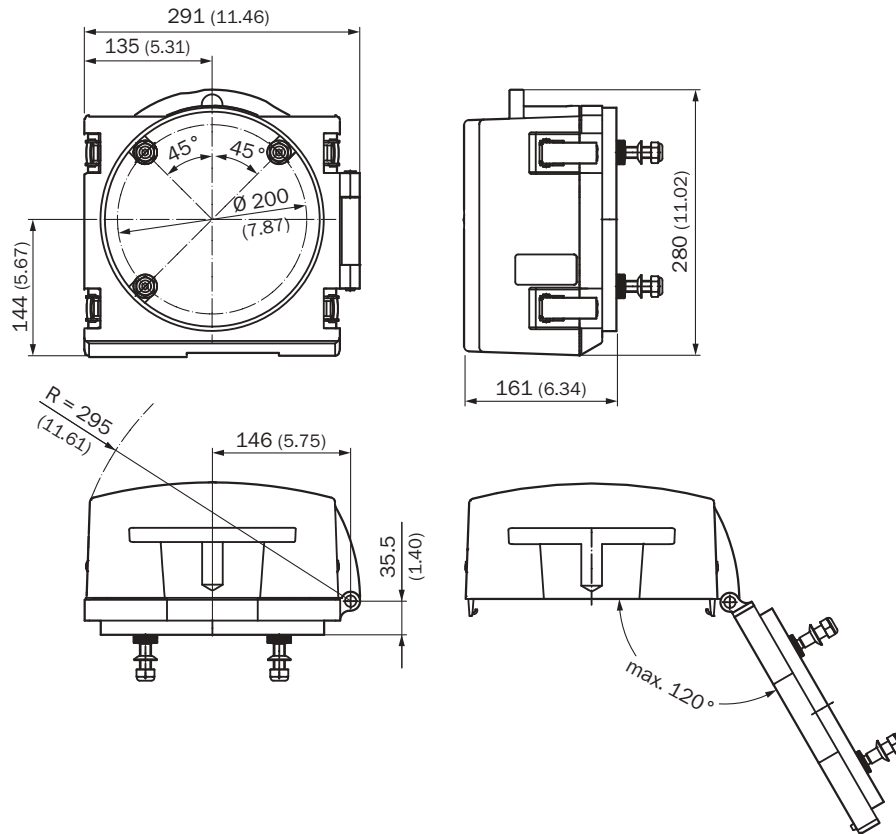
|                       |          |
|-----------------------|----------|
| <b>ECI@ss 5.0</b>     | 27150302 |
| <b>ECI@ss 5.1.4</b>   | 27150302 |
| <b>ECI@ss 6.0</b>     | 27150302 |
| <b>ECI@ss 6.2</b>     | 27150302 |
| <b>ECI@ss 7.0</b>     | 27150302 |
| <b>ECI@ss 8.0</b>     | 27150302 |
| <b>ECI@ss 8.1</b>     | 27150302 |
| <b>ECI@ss 9.0</b>     | 27150302 |
| <b>ECI@ss 10.0</b>    | 27150302 |
| <b>ECI@ss 11.0</b>    | 27150302 |
| <b>ETIM 5.0</b>       | EC001190 |
| <b>ETIM 6.0</b>       | EC001190 |
| <b>ETIM 7.0</b>       | EC001190 |
| <b>UNSPSC 16.0901</b> | 41115406 |

## Dimensional drawing (Dimensions in mm (inch))

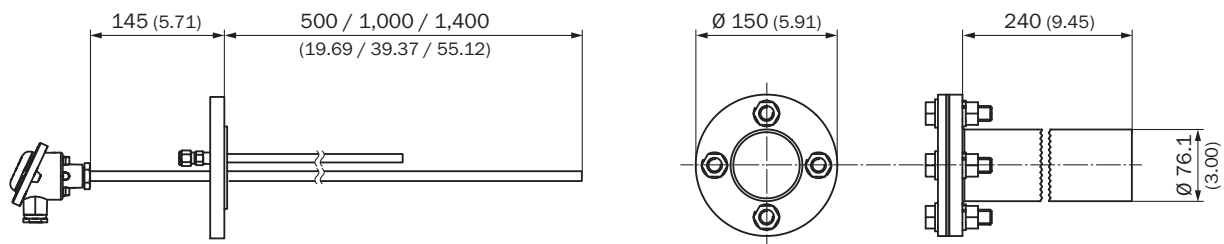
GM35 sender/receiver unit



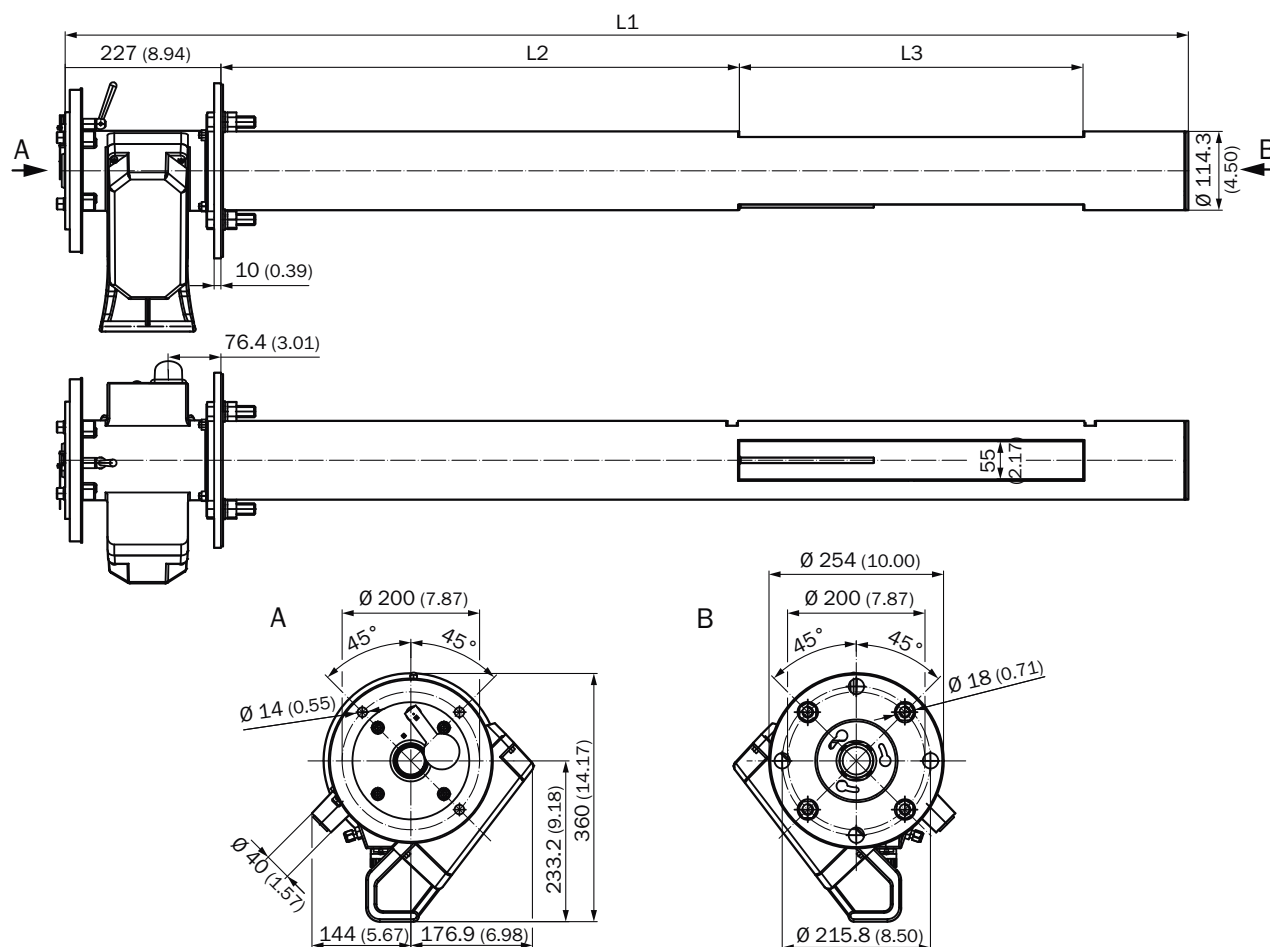
Reflector unit



Pressure and temperature sensor with DN40 / PN40 mounting flange



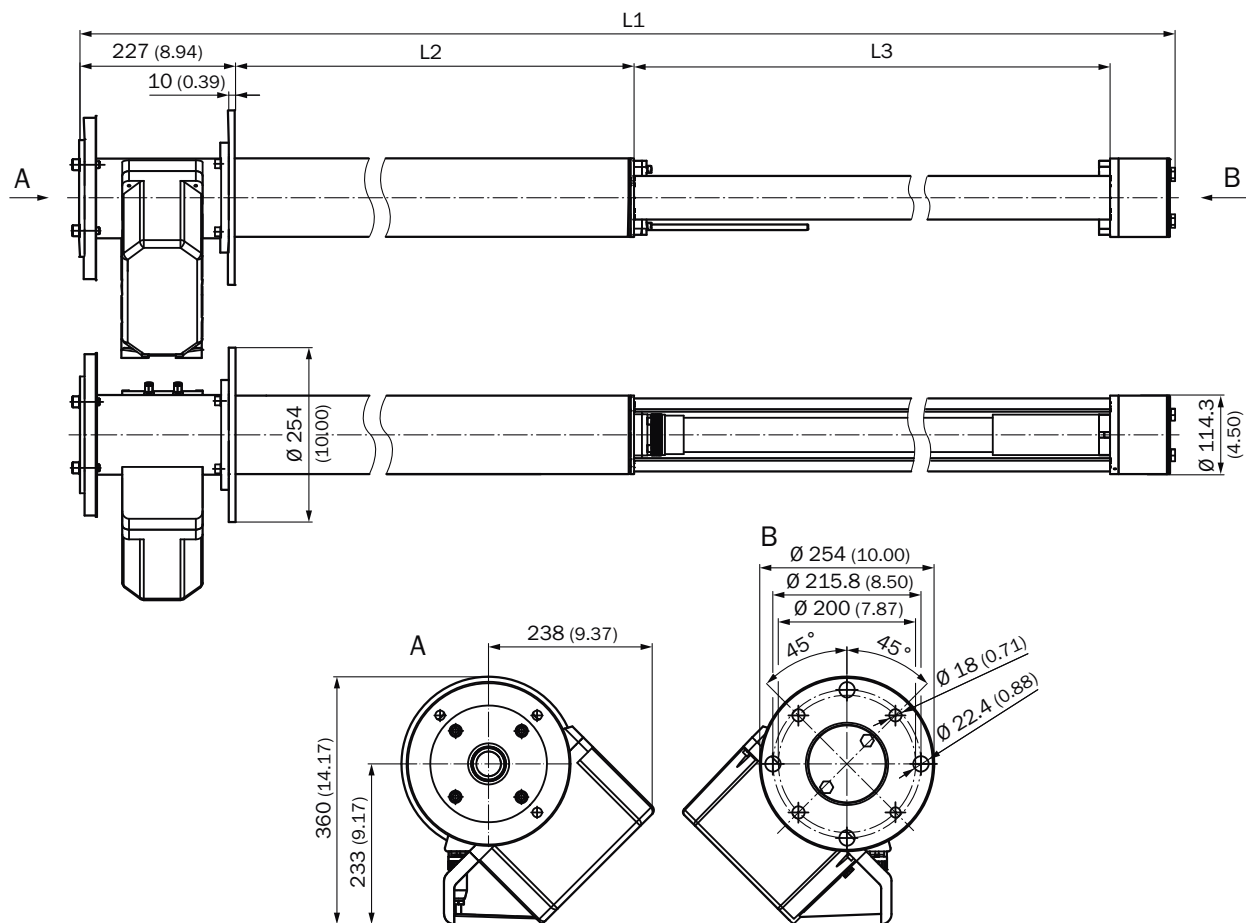
## Open measuring probe (GMP)



| GMP measuring probes  |       | L3    |       |       |       |       |       |       | Weight |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Probe length, nominal | L1    | 250   | 500   | 750   | 1,000 | 1,250 | 1,500 | 1,750 |        |
|                       |       | L2    |       |       |       |       |       |       |        |
| 900                   | 935   | 296   | ---   | ---   | ---   | ---   | ---   | ---   | 21     |
| 1,500                 | 1,644 | 1,005 | 755   | 505   | 255   | ---   | ---   | ---   | 24     |
| 2,000                 | 2,128 | 1,489 | 1,239 | 989   | 739   | 489   | 239   | ---   | 30     |
| 2,500                 | 2,628 | 1,988 | 1,738 | 1,488 | 1,238 | 988   | 738   | 488   | 35     |

All dimensions in mm, all weights in kg  
Application-specific lengths available on request

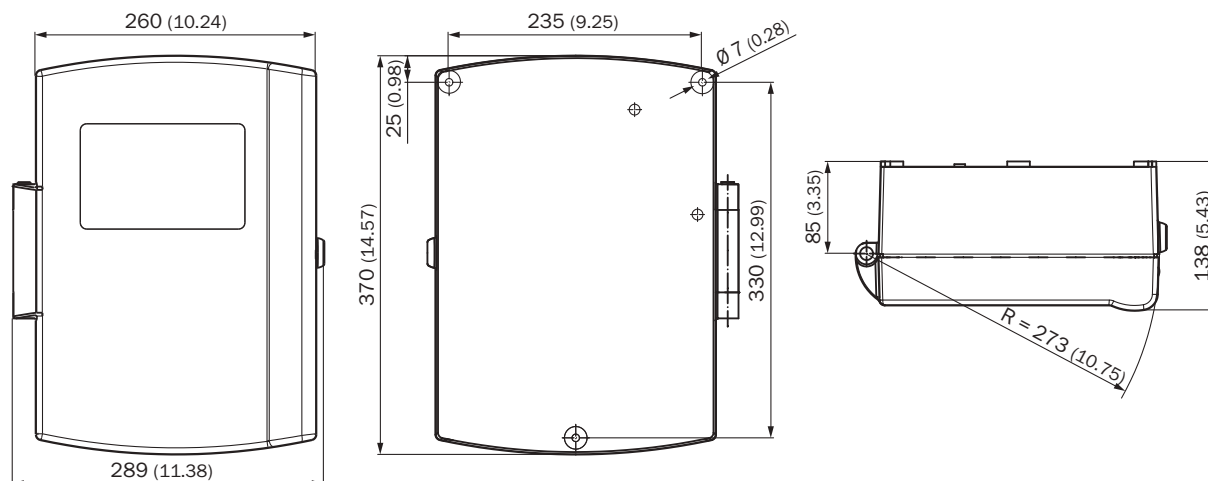
Gas-testable measuring probe (GPP)



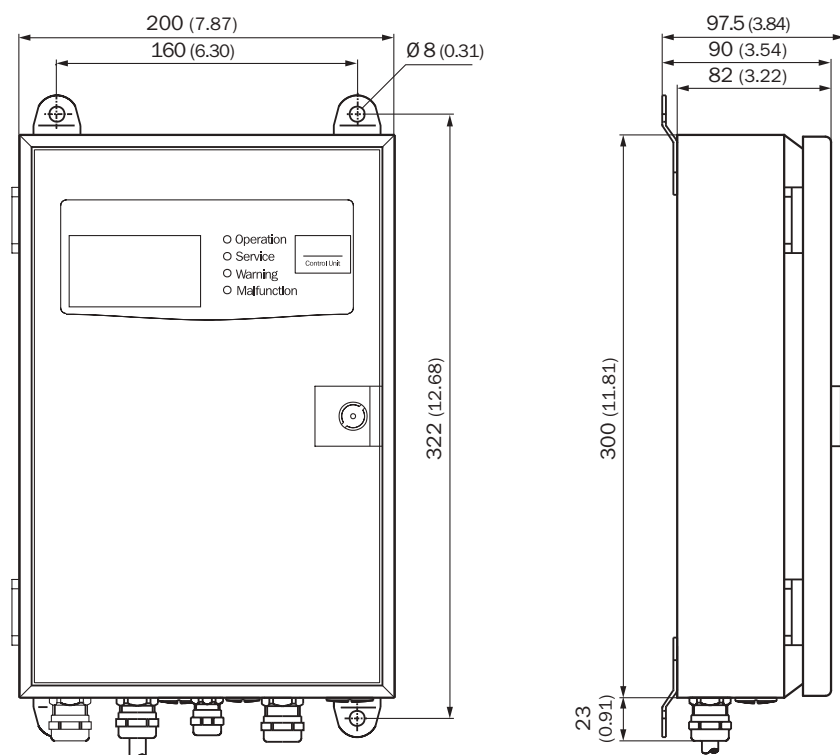
| GPP measuring probes  |       | L3    |       |       |       | Weight |
|-----------------------|-------|-------|-------|-------|-------|--------|
| Probe length, nominal | L1    | 227   | 477   | 727   | 977   |        |
|                       |       | L2    |       |       |       |        |
| 900                   | 914   | 353   | 103   | —     | —     | 27     |
| 1,500                 | 1,624 | 1,063 | 813   | 563   | 313   | 35     |
| 2,000                 | 2,108 | 1,547 | 1,297 | 1,047 | 797   | 42     |
| 2,500                 | 2,608 | 2,047 | 1,797 | 1,547 | 1,297 | 50     |

**All dimensions in mm, all weights in kg**  
Application-specific lengths available on request

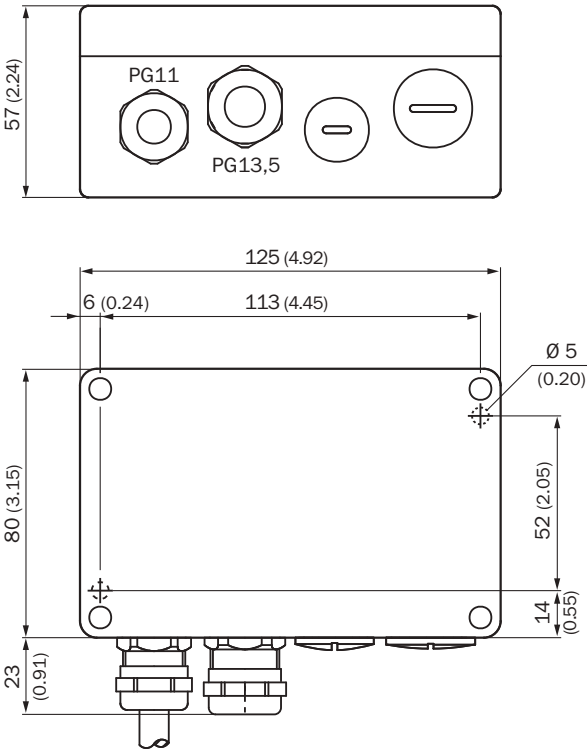
Control unit; cast metal housing



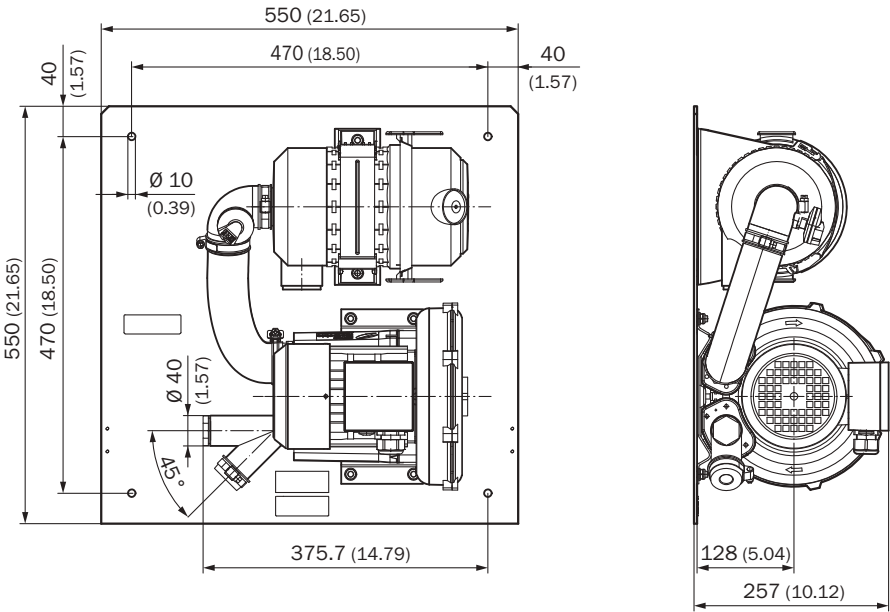
Control unit; steel sheet enclosure



GM35 connection unit



SLV4-2 purge air unit, 2BH1300

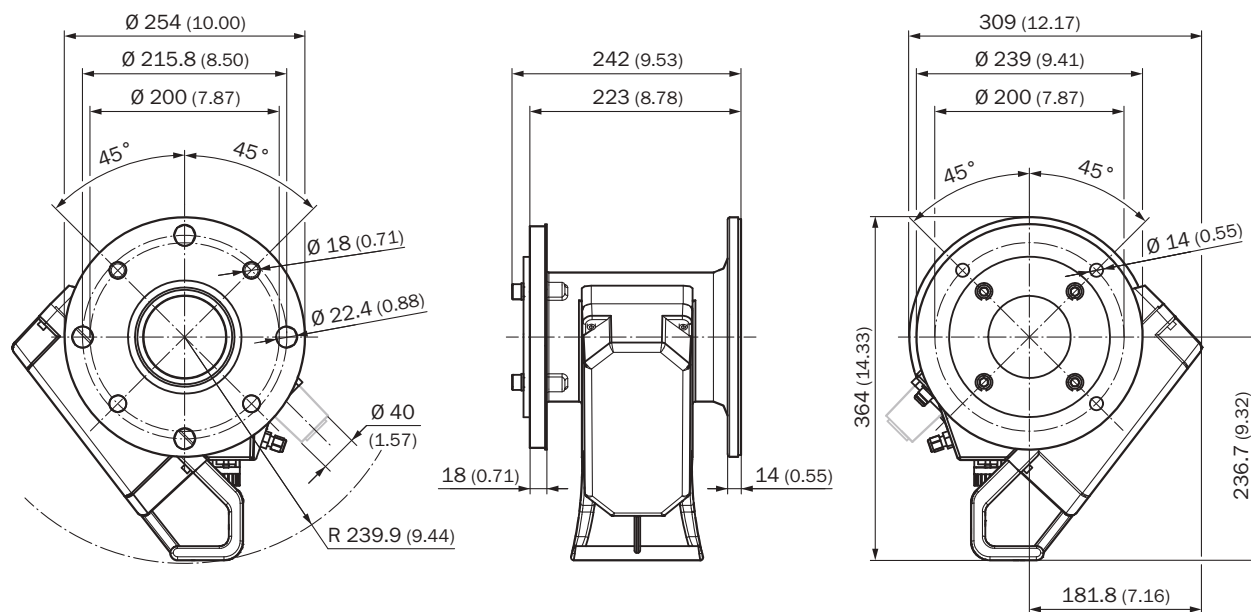


| GMP measuring probes  |     | L3  |     |     |       |       |       |       |        |
|-----------------------|-----|-----|-----|-----|-------|-------|-------|-------|--------|
|                       |     | 250 | 500 | 750 | 1,000 | 1,250 | 1,500 | 1,750 |        |
| Probe length, nominal | L1  | L2  |     |     |       |       |       |       | Weight |
|                       |     |     |     |     |       |       |       |       |        |
| 900                   | 935 | 296 | --  | --  | --    | --    | --    | --    | 21     |

| GMP measuring probes |       | L3    |       |       |       |     |     |     |    |
|----------------------|-------|-------|-------|-------|-------|-----|-----|-----|----|
| <b>1,500</b>         | 1,644 | 1,005 | 755   | 505   | 255   | —   | —   | —   | 24 |
| <b>2,000</b>         | 2,128 | 1,489 | 1,239 | 989   | 739   | 489 | 239 | —   | 30 |
| <b>2,500</b>         | 2,628 | 1,988 | 1,738 | 1,488 | 1,238 | 988 | 738 | 488 | 35 |

**All dimensions in mm, all weights in kg**  
Application-specific lengths available on request

Purge air fixture



Hole circle on process side: Ø 215,8 mm for ANSI flanges, Ø 200 mm for DIN flanges (turned to 45°)

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

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+44 (0) 191 410 4292  
[www.heatingandprocess.com](http://www.heatingandprocess.com)