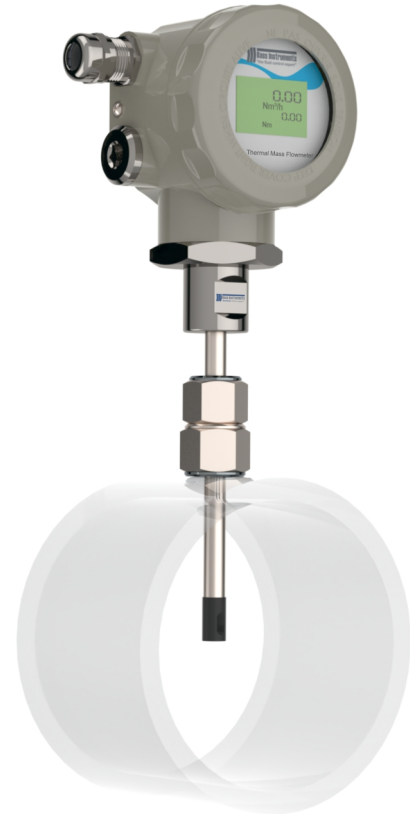


# Thermal Mass Flowmeter

## CTMD

GAS



## OVERVIEW

### Operation

CTMD provides high quality In-Line and Insertion Thermal Mass Flow Meters for a wide variety of industrial, commercial, and environmental monitoring needs. Our experienced application engineers, many of whom have worked in the Thermal Mass Flow marketplace since its inception, will assist you with your flow meter application.

### Application

- Air injection
- Air purging
- Blow molding air
- Blower air
- Drying air flow
- Combustion gas flow
- Vent air flow

### Features

- Simple Installation
- High performance
- Sensing unit
- Easy installation
- Easy configuration and maintenance
- TFT graphic multicolor display
- Long term stability
- Compact design
- No moving parts
- Simple calibration
- Easy adaptation various applications and processes
- Innovating sensor technology

## OPERATING DATA

|                          |  |
|--------------------------|--|
| <b>Working Pressure</b>  | Max. 16 Bar for insertion type<br>Max. 40 Bar for in-line type |
| <b>Temperature Limit</b> | -40°C...+150°C   |
| <b>Accuracy</b>          | ±0,5% FS   |
| <b>Enclosure</b>         | IP65 / IP67,IP68 as optional                                   |

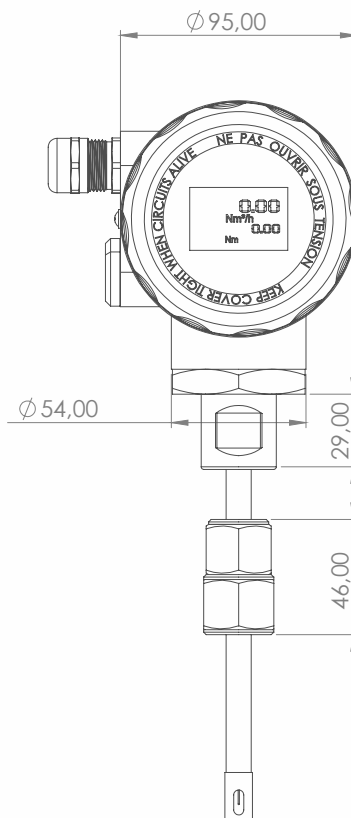
## MEASURING RANGES

|                            |  |
|----------------------------|--|
| <b>Pipe Diameter</b>       | DN25-900 mm for insertion type<br>DN15-300 mm for in-line type |
| <b>Flow Velocity Range</b> | 0,9-150 Nm/s   |

## MATERIALS

|                     |                         |
|---------------------|-------------------------|
| <b>Wetted Parts</b> | Stainless steel,plastic |
|---------------------|-------------------------|

## TECHNICAL DRAWINGS AND DIMENSIONS



# WIRING

|                      |  |
|----------------------|--|
| <b>Power Supply</b>  | 24 VDC                                   |
| <b>Output</b>        | Pulse and 4-20 mA                        |
| <b>Communication</b> | RS485 Modbus, ethernet, HART as optional |
| <b>Display</b>       | Rate, total and temperature              |
| <b>Response Time</b> | 1 sec.                                   |

# ORDERING

|               |    |      |   |                              |
|---------------|----|------|---|------------------------------|
| CTMD          |    |      |   | Thermal Mass Flowmeter       |
| Design        | IT | XXXX | R | Insertion Threaded           |
|               | IF |      |   | Insertion Flanged            |
|               | IN |      |   | Inline                       |
| Probe Length  |    |      |   | Please specify as unit is mm |
| Communication |    |      | E | RS-485 MODBUS                |
|               |    |      |   | Ethernet                     |
| Media         |    |      | A | Air                          |
|               |    |      | N | Nitrogen                     |
|               |    |      | O | Oxygen                       |
|               |    |      | C | Carbondioxide                |
|               |    |      | D | Natural gas                  |
|               |    |      | X | On request                   |
| Enclosure     |    |      |   | 65 IP65                      |
|               |    |      |   | 67 IP67                      |
|               |    |      |   | 68 IP68                      |



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