# MASS FLOW METERS Without LCD Display

## TAF SERIES

*Economy Type*
*±1.5% Accuracy*
*Linear Output*
*Thermal Technology*
*For Using in Non Corrosive gas*
*For Flow Rates up to 50 SLM*




The NEW-FLOW Thermal Mass Flow Meters provide high performance. Thermal Technology offers advantages in accuracy, sensitivity and turn quality components and the latest technology are combined to provide reliable, compact meters. The TAF Series comes without an LCD display, and come with linear 0-5 VDC output. The TAF Series measures the mass flow rate of gases in 17 ranges from 0-10 SCCM to 0-50 SLM as shown in the range table.

## Technical Data

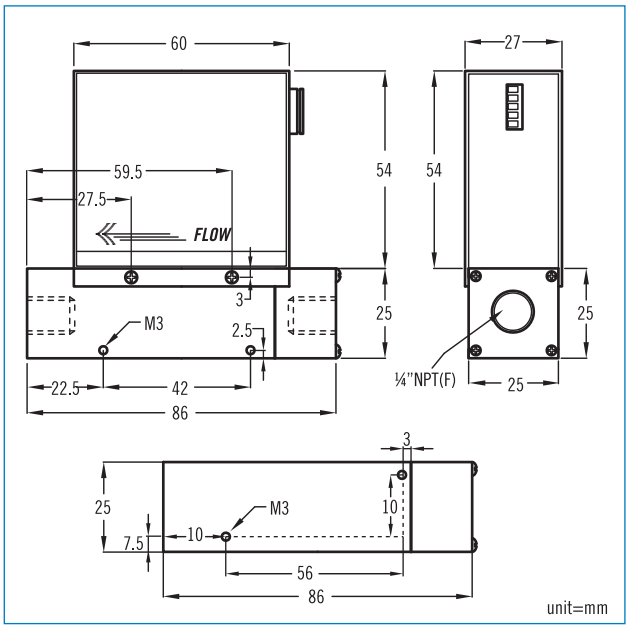
**Wetted Material:** Standard flowbody– 316 Stainless Steel
O-ring– Viton.
**Output Signal:** 0-5 VDC Linear min. load 1000Ω
**Input Power:** 24 VDC, 15 VDC, 12 VDC available
**Accuracy:** ±1.5% F.S (for 10 SCCM ~ 5 SLM, including linearity)
±5% F.S (0~25% Flow Range)
±2% F.S (25~100% Flow Range)
**Turn Down Ratio:** 50 : 1
**Repeatability:** ±0.15% FS or better
**Electric Connection:** 5 Pin post header
(provide with mating connector)
**Process connection:** ¼"NPT Female
**Range:** 0-10 SCCM to 0-50 SLM
**Minimum Pressure:** 40" $H_2O$
**Max. Pressure:** 500 PSIG
**Temperature Range:** 0~50 ℃
**Response TimeL:** 1 Second
**Temp. Cofficient:** 0.05% Full scale per 1℃ or better
**Pressure Coefficient:** 0.01% Full scale per PSIG or better
**Weight:** app. 0.5 kg

## Range Table

| Code | SCCM | Code | SLM | Code | SLM |
|---|---|---|---|---|---|
| 00 | 0-10 | 06 | 0-1 | 14 | 0~35 |
| 01 | 0-20 | 07 | 0-2 | 15 | 0~40 |
| 02 | 0-50 | 08 | 0-5 | 16 | 0~45 |
| 03 | 0-100 | 09 | 0-10 | 17 | 0-50 |
| 04 | 0-200 | 10 | 0-15 | 18 | *Custom Flow Rate |
| 05 | 0~500 | 11 | 0-20 | | |
| | | 12 | 0-25 | | |
| | | 13 | 0-30 | | |
| | | | | | |

*Please notice that the max. flow range is 50 SLM.

## Dimensions




## Ordering Information

| TAF | Code | Flow Range |
|---|---|---|
| | 00~17 | Please refer to the measure range table. |
| | 18 | *Custom size (Please directly fill in the requested range) |

| Code | Wetted Material |
|---|---|
| | (A) SS316 |

| Code | Process Connection |
|---|---|
| 1 | ¼" NPT (F) |

| Code | Display |
|---|---|
| 0 | Without display |

| Code | Output Signal |
|---|---|
| | (1) 0-5VDC |

| Code | Input Power |
|---|---|
| 1 | 24 VDC |
| 2 | 15 VDC |
| 3 | 12 VDC |

| TLF | | | | | | |
|---|---|---|---|---|---|---|

WWW.NEW-FLOW.CO WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de