

Approvals:



CONNECTION

1/4"NPT
Female Thread

FLOW RANGE (N₂)

0...10 sccm
↓
0...50 SLM

MEDIA

Non Corrosive
Dry Gas



SPECIFICATION

| | |
|---------------------------|--|
| MODEL | TAF |
| APPLICATION | Non Corrosive Dry Gas |
| PROCESS CONNECTION | 1/4"NPT Female Thread |
| ACCURACY | < 2% F.S. (25~100% Flow Range) < 5% F.S. (0~25% Flow Range) |
| REPEATABILITY | < 0.15% F.S. |
| RESPONSE TIME | < 1 Second |
| MATERIAL | Body : 316SS O-Ring : Viton (Std.) FKM |
| OUTPUT SIGNAL | DC 0~5V |
| PRESSURE LIMIT | 34.4 Bar |
| GAS TEMPERATURE | 0 ... 50°C |
| POWER | 12VDC (Std.) 15VDC 24VDC |
| ELECTRIC CONNECTOR | 5 Pin Post Header |
| MOUNTING | Horizontal Installation |

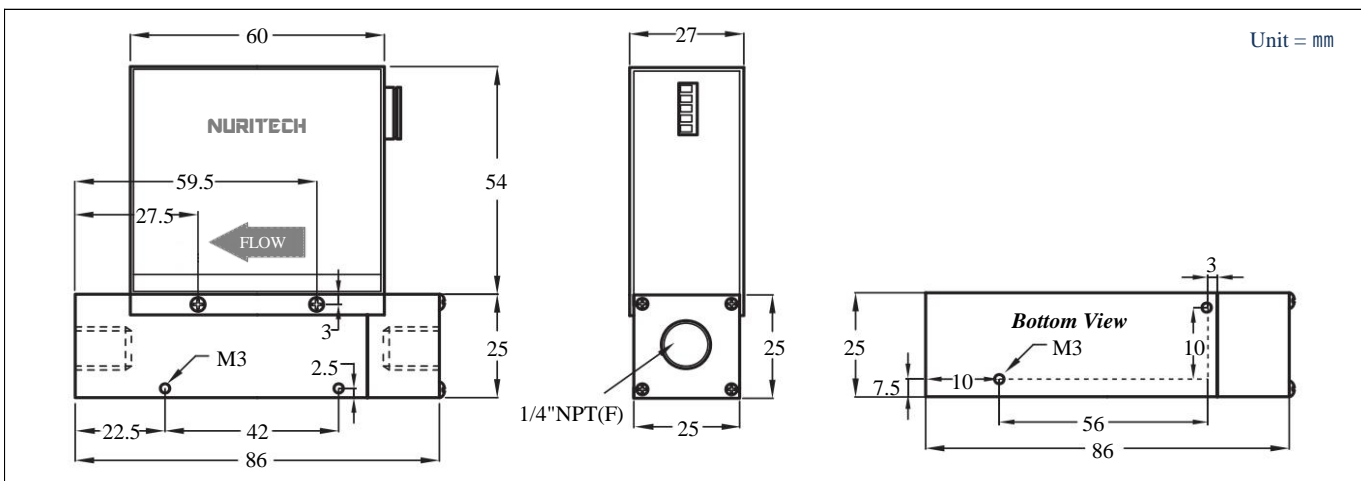
Flow Range (N₂)

| | | |
|--------------|--------------|------------|
| 0 ~ 10 sccm | 0 ~ 500 sccm | 0 ~ 25 SLM |
| 0 ~ 20 sccm | 0 ~ 1 SLM | 0 ~ 30 SLM |
| 0 ~ 30 sccm | 0 ~ 2 SLM | 0 ~ 35 SLM |
| 0 ~ 50 sccm | 0 ~ 3 SLM | 0 ~ 40 SLM |
| 0 ~ 80 sccm | 0 ~ 5 SLM | 0 ~ 45 SLM |
| 0 ~ 100 sccm | 0 ~ 10 SLM | 0 ~ 50 SLM |
| 0 ~ 200 sccm | 0 ~ 15 SLM | |
| 0 ~ 300 sccm | 0 ~ 20 SLM | |

* Flow rates are stated for Nitrogen

* For other gases use the K factor as a multiplier from gas factor table

DIMENSION



GAS FACTOR TABLE

| ACTUAL GAS | SYMBOL | K FACTOR RELATIVE TO N ₂ | ACTUAL GAS | SYMBOL | K FACTOR RELATIVE TO N ₂ |
|------------------|-----------------------------------|--|---------------------|-----------------------------------|--|
| Acetylene | C ₂ H ₂ | 0.58 | Hydrogen Bromide | HBr | 1.00 |
| Air | - | 1.00 | Hydrogen Chloride | HCl | 1.00 |
| Ammonia | NH ₃ | 0.74 | Hydrogen Selenide | H ₂ Se | 0.79 |
| Argon | Ar | 1.42 | Hydrogen Sulfide | H ₂ S | 0.80 |
| Bromine | Br ₂ | 0.81 | Isobutane | CH(CH ₃) ₃ | 0.20 |
| Butane | C ₄ H ₁₀ | 0.26 | Isobutylene | C ₄ H ₈ | 0.30 |
| 1-Butane | C ₄ H ₈ | 0.30 | Methane | CH ₄ | 0.72 |
| Carbon Dioxide | CO ₂ | 0.74 | Methanol | CH ₃ OH | 0.58 |
| Carbon Monoxide | CO | 1.00 | Methyl Acetylene | C ₃ H ₄ | 0.43 |
| Carbonyl Sulfide | COS | 0.66 | Methyl Bromide | CH ₃ Br | 0.58 |
| Chlorine | Cl ₂ | 0.86 | Methyl Chloride | CH ₃ Cl | 0.63 |
| Dimethyl Ether | (CH ₃) ₂ O | 0.39 | Nitric Oxide | NO | 1.00 |
| Ethane | C ₂ H ₆ | 0.50 | Nitrogen Dioxide | NO ₂ | 0.74 |
| Ethanol | C ₂ H ₆ O | 0.39 | Nitrous Oxide | N ₂ O | 0.71 |
| Ethyl Acetylene | C ₄ H ₆ | 0.32 | Oxygen | O ₂ | 0.99 |
| Ethyl Chloride | C ₂ H ₅ Cl | 0.39 | Propane | C ₃ H ₈ | 0.36 |
| Ethylene | C ₂ H ₄ | 0.60 | Propylene | C ₃ H ₆ | 0.41 |
| Helium | He | 1.43 | Silane | SiH ₄ | 0.60 |
| Hexane | C ₆ H ₁₄ | 0.18 | Sulfur Dioxide | SO ₂ | 0.69 |
| Hydrogen | H ₂ | 1.01 | Sulfur Hexafluoride | SF ₆ | 0.26 |

* Please contact us the K Factor value of other gases.