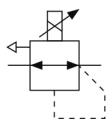


## ITVX, High Pressure Electro-Pneumatic Regulator ITVX2030-04F3BL3

### Datasheet

### General series information

- Maximum supply pressure 5.0 MPa.
- Set pressure range 0.01 to 3.0 MPa.
- Suitable to assist gases other than air: Argon, Oxygen and Nitrogen.
- Low power consumption, with a maximum consumption of 3 W.
- Repeatability:  $\pm 1$  % F.S. or less.
- Compact and lightweight.



Electro-pneumatic regulator

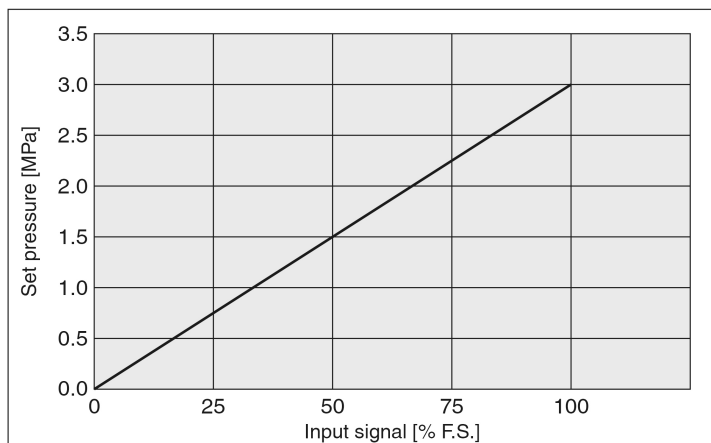
### Standard specifications

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Input Signal                | 0 (Current Style 4~20mADC)                |
| Monitor Output              | 4 (Analog Output 4~20mA)                  |
| Thread                      | F [G(PF)]                                 |
| Accessory                   | B (Flat Bracket: KT-ITV-F2)               |
| Cable Connector             | L (Right Angle Style 3 M)                 |
| Pressure Display Unit       | 3 (Bar)                                   |
| Maximum ambient temperature | 50°C                                      |
| Minimum ambient temperature | 0°C                                       |
| General power supply        | 24 VDC $\pm 10\%$                         |
| Sensitivity                 | $\pm 1\%$ or less (Full span)             |
| Repeatability               | $\pm 1\%$ or less (Full span)             |
| Set pressure range          | 0.01 to 3.0 MPa                           |
| Linearity                   | $\pm 1\%$ or less (Full span)             |
| Current consumption         | 0.12 A or less                            |
| Applicable fluid            | Air, N <sub>2</sub> , O <sub>2</sub> , Ar |
| Max. supply pressure        | 5 MPa                                     |

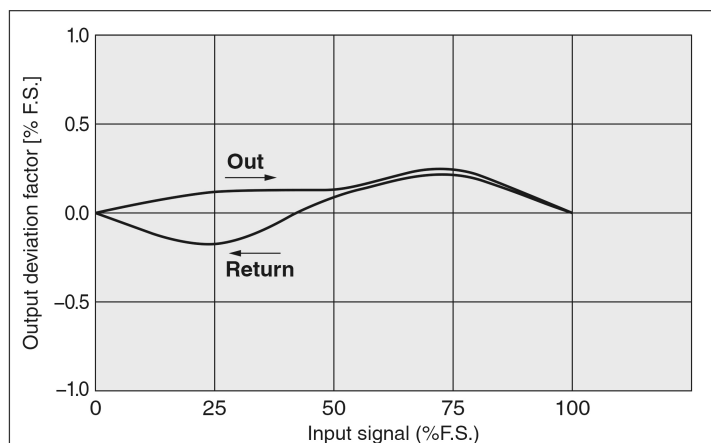
|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Min. supply pressure         | Whichever is higher: 0.5 MPa or the set pressure +0.2 MPa                                           |
| Display accuracy             | ±2% or less (Full span) ±1 digit                                                                    |
| Temperature characteristics  | ±0.12% or less (Full span)/°C                                                                       |
| Maximum fluid temperature    | 50°C                                                                                                |
| Minimum fluid temperature    | 0°C                                                                                                 |
| Minimum display unit         | MPa: 0.01, kgf/cm2: 0.1, bar: 0.1, psi: 1                                                           |
| Hysteresis                   | 1% or less (Full span)                                                                              |
| Input impedance current type | 500 Ω or less                                                                                       |
| Output signal Analogue       | 4 to 20 mA DC (Sink type) Load impedance: 250 Ω or less<br>Output accuracy: ±6% or less (Full span) |
| Technical graph 1            | 8718_graph1_en.jpg                                                                                  |
| Graph1 title                 | Linearity                                                                                           |
| Weight                       | 0.570 Kg                                                                                            |

## Technical information graphs

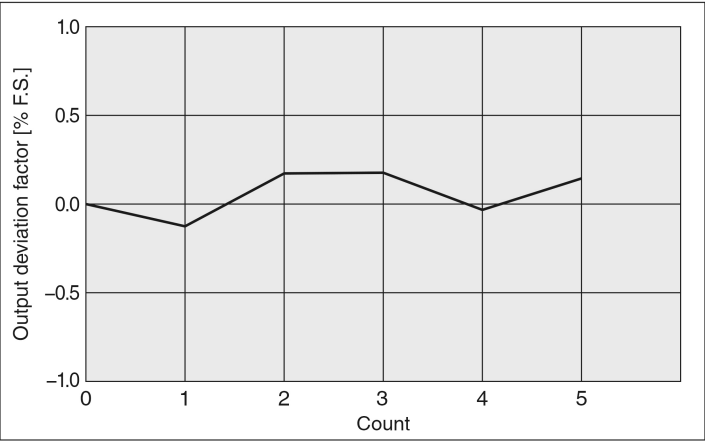
### Linearity



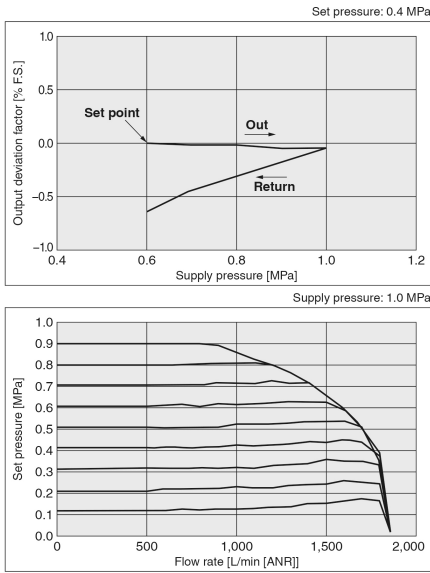
### Hysteresis

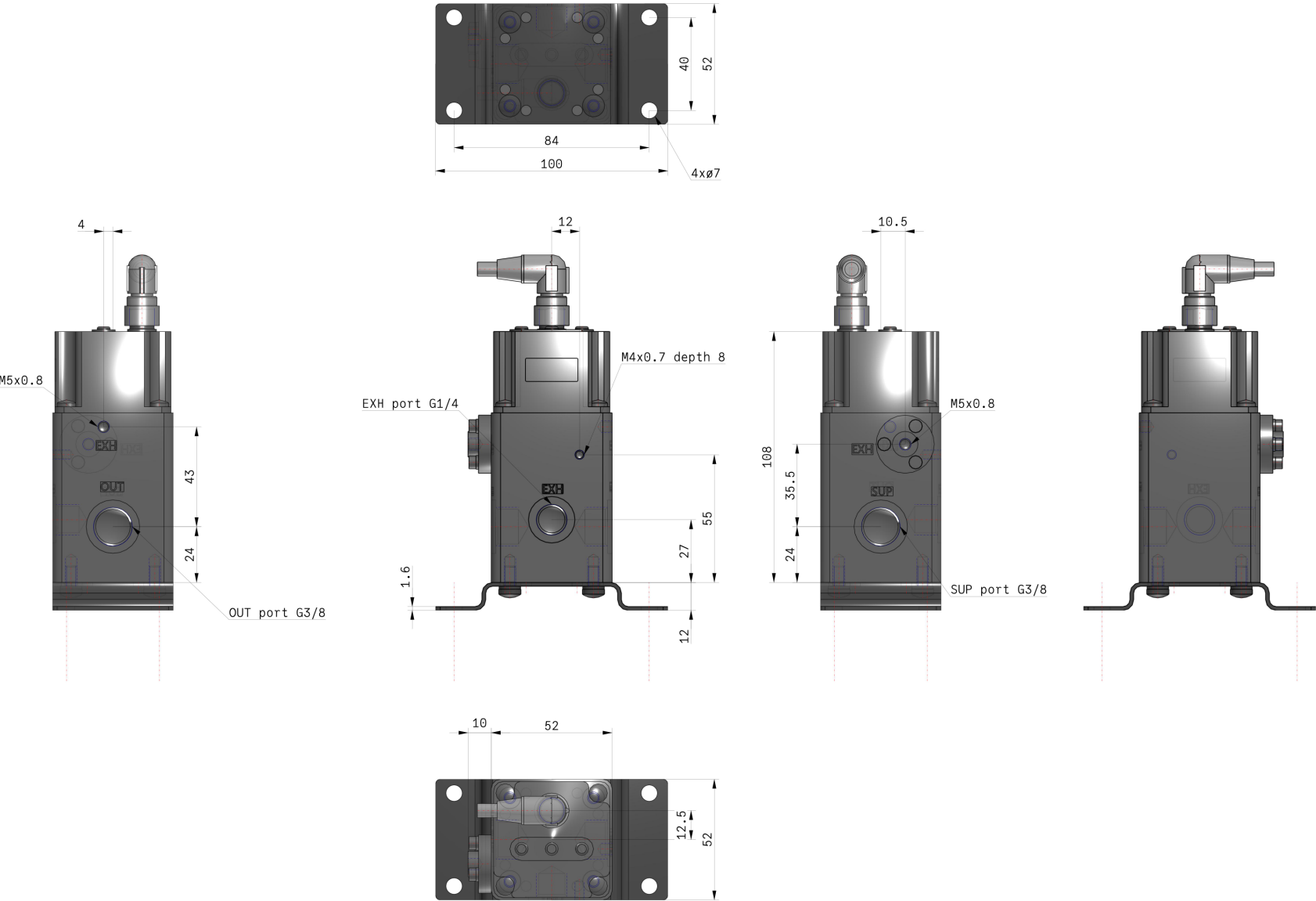


Repeatability



Pressure and Flow-rate characteristics





Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

## Additional information

|                           |                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">ITVX_EU.pdf</a>                                                                                                          |
| Declaration of conformity | <a href="#">newDoC_ITVX_TF1V099EN.pdf</a><br><a href="#">newDoC_ITVX_TF125-075EN.pdf</a><br><a href="#">DoC_ITVX_T02-011-7-A.pdf</a> |
| Installation manuals      | <a href="#">IM_ITVX2030_TF2Z367EN-A.pdf</a>                                                                                          |
| Operation manuals         | <a href="#">OM_ITVX_OM002EN-D.pdf</a>                                                                                                |