Series ITV1000/2000/3000 **Made to Order Specifications 2** Please contact SMC for detailed dimensions, specifications and lead times

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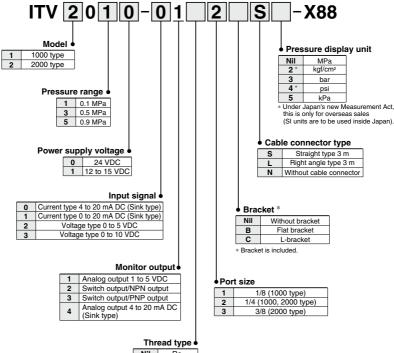


4 High-Speed Response Time Type

Pressure response with no load is approx. 0.1 sec.

Note 1) This is not a guaranteed value as it depends on the operating environment.

Note 2) When the input signal is at 0%, the exhaust solenoid valve is controlled to reduce the outlet pressure to zero. For this reason, a noise may be generated. This noise is normal and does not indicate a fault.



Nil	Rc
N	NPT
Т	NPTF
F	G

ARJ

AR425 to 935

ARX

AMR ARM

ARP

IR

IRV VEX

SRH

SRP

SRF

VCHR

ITV

IC

ITVX PVQ

VEF VEP

VER

VEA VY1

VBA VBAT

AP100

Series ITV1000/2000/3000 Made to Order Specifications 4

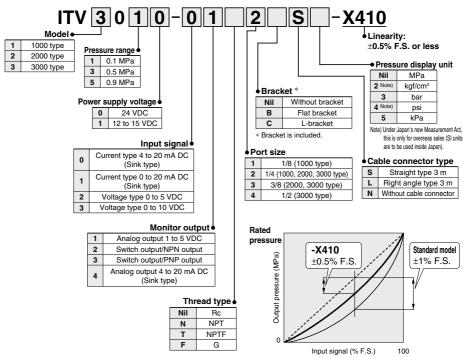
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6 Linearity: ±0.5% F.S. or Less

Application examples: Polishing equipment and peripheral equipment for wafers, LCD glasses, color filters, etc.



The graph shown above is a typical example. (This graph shows that the output pressure curve is in a negative range when compared to the ideal line.)

Specifications

Fluid		Air
Minimum supply pressure		Set pressure +0.1 MPa
Maximum supply pressure		1.0 MPa (Pressure range 0.1 MPa type: 0.2 MPa)
Proof pressure	(Supply side)	1.5 MPa (Pressure range 0.1 MPa type: 0.3 MPa)
	(Output side)	1 MPa (Pressure range 0.1 MPa type: 0.2 MPa)
Set pressure range		1: 0.005 to 0.1 MPa, 3: 0.005 to 0.5 MPa, 5: 0.005 to 0.9 MPa
Power supply voltage		0: 24 VDC ±10%, 1: 12 to 15 VDC
Current consumption		0.12 A or less (24 VDC ±10% type)
		0.18 A or less (12 to 15 VDC type)
Input signal	nput signal 0: 4 to 20 mA, 1: 0 to 20 mA, 2: 0 to 5 VDC, 3: 0 to 10 VDC	
Input impedance	but impedance Voltage type: Approx. 6.5 kΩ, Current type: 250 Ω or less	
Output signal	Output signal Analog output: 1 to 5 VDC/4 to 20 mA DC, Switch output (NPN/PNP)	
Linearity		±0.5% F.S. or less
Hysteresis		0.5% F.S. or less
Repeatability		±0.5% F.S. or less
Sensitivity		0.2% F.S. or less
Temperature characteristics		±0.12% F.S./°C or less
Output pressure display	Accuracy	±2% F.S. ±1 digit or less
	Minimum unit	MPa: 0.001, kgf/cm²: 0.01, bar: 0.01, psi: 0.1, kPa: 1
Ambient and fluid temperature		0 to 50°C (No condensation)
Enclosure		IP65
Weight		ITV10□□: Approx. 250 g, ITV20□□: Approx. 350 g, ITV30□□: Approx. 645 g (without brackets)
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The above characteristics (specifications) are confined to the static state. When air is consumed on the output side, the pressure may fluctuate.

