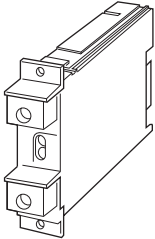


## Dual Channel Input/Output Isolators 15-RACK

### P/I TRANSDUCER

#### Functions & Features

- Converting a standard pneumatic signal into a proportional DC output
- 2 channels available; accomplishing economical and space-saving multi-input processing



### MODEL: 15PV-[1]6-R[2]

#### ORDERING INFORMATION

- Code number: 15PV-[1]6-R[2]
- Specify a code from below for each of [1] and [2].  
(e.g. 15PV-26-R/A2S/Q)
- Specify the specification for option code /Q  
(e.g. /C01)

#### [1] PNEUMATIC CONNECTION

- 2: Rc 1/4"
- 5: Rc 1/8" fitting
- 7: 1/4" NPT fitting

#### OUTPUT

- Voltage
- 6: 1 - 5 V DC (Load resistance 5000 Ω min.)

#### POWER INPUT

- DC Power
- R: 24 V DC  
(Operational voltage range 24 V ±10 %, ripple 10 %p-p max.)

#### [2] OPTIONS (multiple selections)

- Pressure Range
- blank: 0.2 - 1.0 kgf/cm<sup>2</sup>
- /A1S: 19.6 - 98.1 kPa
- /A2S: 20 - 100 kPa
- /A3S: 20.7 - 103.4 kPa
- /A2: 0.2 - 1.0 bar

- /A3: 3 - 15 psig
- Other Options
- blank: none
- /Q: Option other than the above (specify the specification)

#### SPECIFICATIONS OF OPTION: Q

- COATING (For the detail, refer to our web site.)
- /C01: Silicone coating
- /C02: Polyurethane coating
- /C03: Rubber coating

#### RELATED PRODUCTS

- Extender card (model:10EC)  
Necessary to adjust span.

#### GENERAL SPECIFICATIONS

**Construction:** Rack-mounted; terminal access via screw terminals at the front and via card-edge connector at the rear

#### Connection

- Output:** Card-edge connector
- Pneumatic:** Rc 1/4", Rc 1/8" or 1/4" NPT female  
(torque ≤ 12 N·m)
- Power input:** Supplied from card edge connector

#### Materials

- Housing:** flame-resistant resin (black)
- Base:** Die cast aluminium
- Overrange output:** Approx. -10 to +120 %
- Zero adjustment:** -5 to +5 % (front)
- Span adjustment:** 95 to 105 % (top)

#### INPUT SPECIFICATIONS

- Input
- 19.6 - 98.1 kPa, 0.2 - 1.0 kgf/cm<sup>2</sup>
- 20 - 100 kPa, 0.2 - 1.0 bar
- 20.7 - 103.4 kPa, 3 - 15 psig

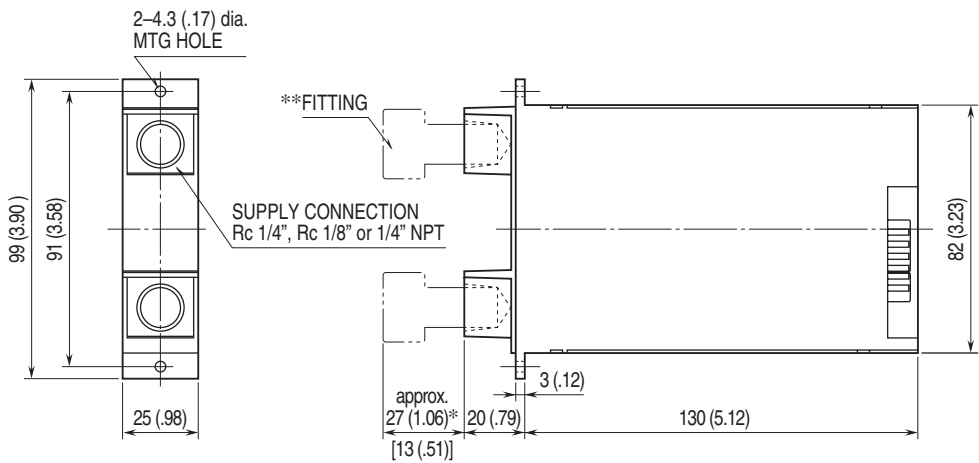
#### INSTALLATION

- Current consumption:** Approx. 30 mA
- Operating temperature:** -5 to +55°C (23 to 131°F)
- Operating humidity:** 30 to 90 %RH (non-condensing)
- Mounting:** Standard Rack 15BX
- Weight:** 190 g (0.42 lb)

**PERFORMANCE in percentage of span**

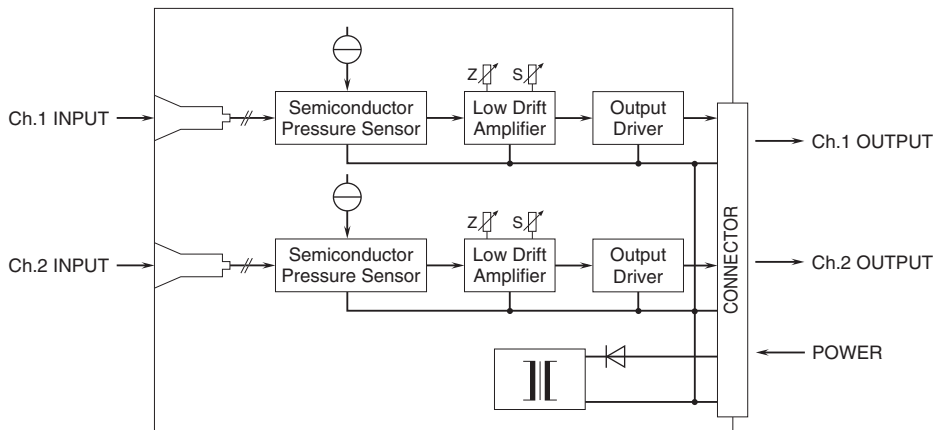
Accuracy:  $\pm 0.2\%$   
 Temp. coefficient:  $\pm 0.03\% / ^\circ\text{C}$  ( $\pm 0.02\% / ^\circ\text{F}$ )  
 Response time:  $\leq 0.5$  sec. (0 - 90 %)  
 Permissible overrange: 196 kPa (2.0 kgf/cm<sup>2</sup>, 1.96 bar, 28 psig)  
 Line voltage effect:  $\pm 0.1\%$  over voltage range  
 Dielectric strength: 1500 V AC @ 1 minute  
 (Output or power to ground)

**DIMENSIONS unit: mm (inch)**



\* [ ] for Rc 1/8".  
 \*\*Fitting provided for Rc 1/8" or 1/4" NPT connection.

**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**



Specifications are subject to change without notice.