

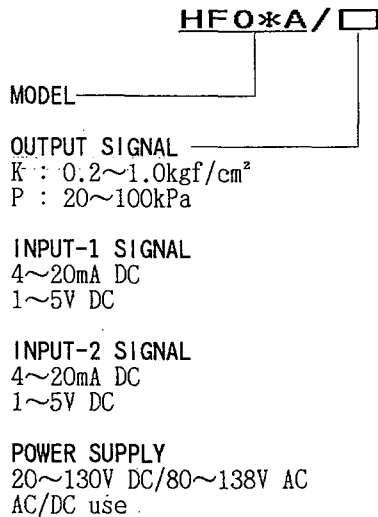
# General Specifications

Model HFO  
E/P Transducer  
(2 Inputs/2 Outputs)

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Model HFO dual outputs nest storing type E/P Transducer inputs 1~5V DC or 4~20mA signal and converts it into 20~100kPa (or 0.2~1.0kgf/cm<sup>2</sup>) pneumatic signal.

- Input and output are equipped with independent 2 units of transducer. However, power supply and pneumatic supply are commonly used.
- Input signal can easily be changed over on main board.
- Storing nest accommodating 8 E/P transducers and distributor unit to supply power en bloc to transducers are provided.



**ORDERING INFORMATION**

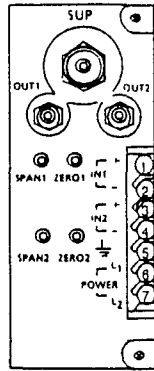
- Model Code : (Example) HFO\*A/P
- Input : (Example) 1 : 1~5V DC  
2 : 4~20mA DC

**RELATED EQUIPMENT**

- HB Type Transducer Storing Box
- PU Type Pneumatic supply unit
- TU Type Distributor Unit

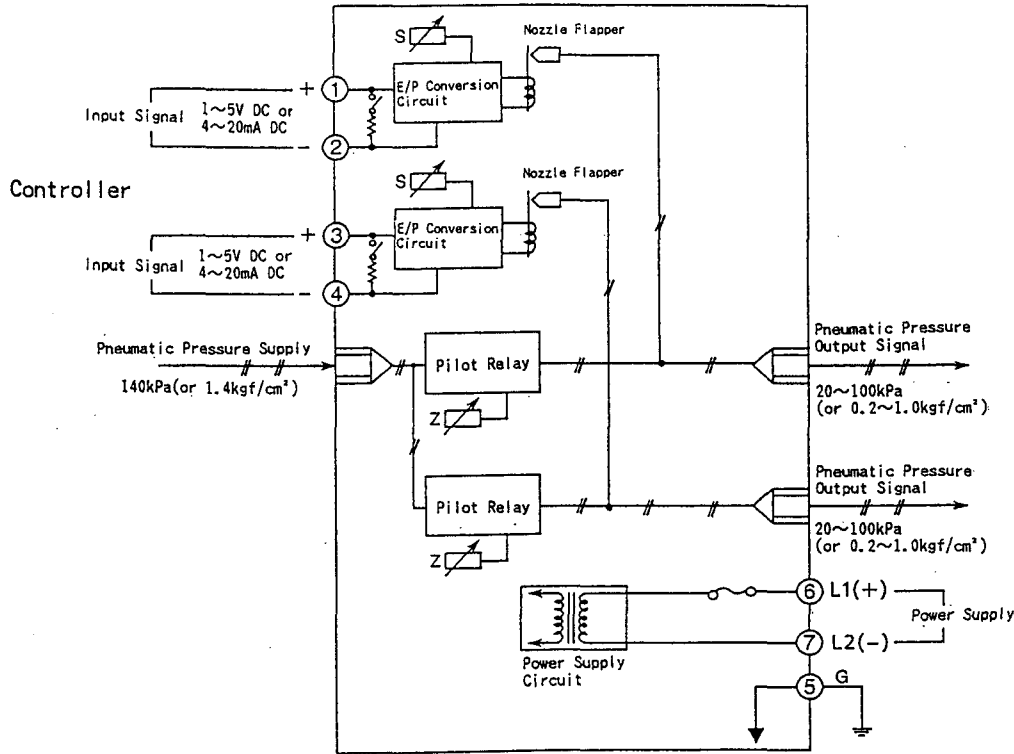
Input & Output	
Input Signal : 1~5V DC or 4~20mA DC (with selecting switch)	
Input resistance : 1MΩ (when 1~5V DC input) 250Ω (when 4~20mA DC input)	
Input Point : 2 points (each point independent)	
Permissible Input Current : Less than 40mA DC	
Output signal : 20~100kPa (or 0.2~1.0kgf/cm <sup>2</sup> )	
Zero adjust range : ±5% of span	
Span adjust range : ±5% of span	
Output Points : 2 points	
Maximum permissible exhaust : 60Nl/min per point	
Standard Performance	
Accuracy rating : ±0.2% of span	
Response Speed : 600ms 63% response (10~90%)	
Insulation resistance : More than 100MΩ (at 500V DC) between input~power supply~ground and between input-1~input-2	
Withstand voltage : 1000V AC/minute between power supply~input~ground 500V AC/minute between input~ground 500V AC/minute between input-1~input-2	
Ambient temperature : 0~50°C	
Ambient humidity : 5~90% RH (no condensation)	
Power supply voltage : AC/DC use, 20~130V DC (no polarity) 80~138V AC, 47~63Hz	
Effect of power voltage fluctuation : Less than ±0.15% of span for fluctuation of 20~130V DC, 80~138V AC	
Effect of pneumatic pressure fluctuation : Less than ±0.3% of span for fluctuation of 140±10kPa (1.4±0.1kgf/cm <sup>2</sup> )	
Power dissipation : 100V AC Drive 7.6VA 24V DC Drive 120mA	
Pneumatic dissipation : Less than 8Nl/min	
Mounting, Shape & Accessories	
Mounting method	Rack mounting
Connecting method	M4 screw terminal connection
External dimension	148x54x244mm(HxWxD) including terminal
Pneumatic Signal Connecting Hole : Supply Rc 1/4 (PT 1/4 female screw) Output Rc 1/8 (PT 1/8 female screw)	
Weight : About 1.8 kgs (for 2 points)	
Accessories : Spare fuse 0.5A ..... 1 Tag number label ..... 8 Connection Assembly .... 1	

TERMINAL ARRANGEMENT

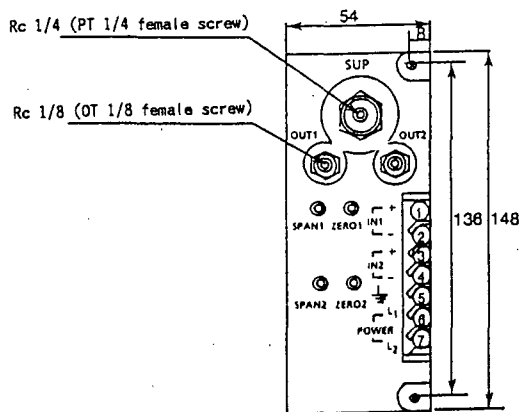


1	INPUT-1 (+)
2	INPUT-1 (-)
3	INPUT-2 (+)
4	INPUT-2 (-)
5	GND G
6	SUPPLY L1(+)
7	SUPPLY L2(-)

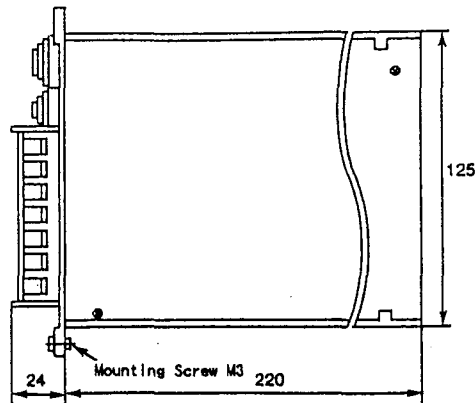
BLOCK DIAGRAM



EXTERNAL DIMENSIONS



Unit : mm



Subject to change without notice for grade up quality and performance