

APT-35

Compact Temperature Transmitter

Analog output

- RTD Type : pt100, pt500, pt1000
- Dry/Wet media
- Superior Long term Stability
- Temperature Compensated
- Linear Amplified Output
- Excellent Repeatability & Hysteresis
- EMI/RFI Protection

The APT-35 converts RTD input to proportional process current output signals. The output and power supply the same pair of wires. These loop-powered transmitters deliver high performance at a low cost. Rugged construction makes them suitable for mounting in the field.



Physical Data [Custom Ranges and Compound Ranges Available]	
INPUT	Option
◆ RTD	pt100, pt500, pt1000

General SPEC		
Characteristic	APT-35(V)	APT-35(A)
RTD type	pt100, pt500, pt1000	
Power Supply	[Voltage] 5/12/24VDC	[Current] 12/24VDC
Output	[3 Wire] 0.5 to 4.5VDC 1 to 5VDC 0 to 5VDC	[2 Wire] 4 to 20mA
Operating Temp. Range	-40 to 135°C	
Compensated Temp. Range	-30 to 125°C	
Accuracy	±1.0 %F.S (Option : ±0.5 %F.S)	
Non-linearity	±0.2%	
Hysteresis and repeatability	±0.03% typical	
Body Material	SUS304	
ASIC Diagram		

Dimensions (mm)		
Wire system	Wire Color	Description
2 wire	BLACK	POWER(-)
	RED	POWER(+)
3 wire	BLACK	POWER(-)
	RED	POWER(+)
	GREEN	OUTPUT

TYPICAL APPLICATIONS

- ✓ Temp Control
- ✓ Petrochemical
- ✓ Transmissions
- ✓ Compressors & Pumps
- ✓ Water Management
- ✓ Environment control systems

How to order

APT-35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1) Output type								
Voltage type	V							
Current type	A							
2) Kind of RTD								
pt 100	-----	PT1						
pt 500	-----	PT2						
pt 1000	-----	PT3						
3) Pressure range								
0 to 100°C	-----	-----	001					
-50 to 50°C	-----	-----	002					
-20 to 50°C	-----	-----	003					
-40 to 120°C	-----	-----	004					
Other on request	-----	-----	Z					
4) Output signal								
0.5 to 4.5 VDC	-----	-----	-----	V1				
0 to 5 VDC	-----	-----	-----	V2				
1 to 5 VDC	-----	-----	-----	V3				
4 to 20mA	-----	-----	-----	A				
Other on request	-----	-----	-----	Z				
5) Supply Voltage								
5 VDC	-----	-----	-----	-----	5			
12 VDC	-----	-----	-----	-----	12			
24 VDC	-----	-----	-----	-----	24			
Other on request	-----	-----	-----	-----	Z			
6) Process connection								
PF1/4"	-----	-----	-----	-----	-----	F14		
PT1/4"	-----	-----	-----	-----	-----	T14		
Other on request	-----	-----	-----	-----	-----	Z		
7) Seal material								
Silicone	-----	-----	-----	-----	-----	-----	S	
NBR	-----	-----	-----	-----	-----	-----	N	
Viton	-----	-----	-----	-----	-----	-----	V	
Other on request	-----	-----	-----	-----	-----	-----	Z	
8) Cable Length								
600mm	-----	-----	-----	-----	-----	-----	-----	600
900mm	-----	-----	-----	-----	-----	-----	-----	900
3,000mm	-----	-----	-----	-----	-----	-----	-----	3000
Other on request	-----	-----	-----	-----	-----	-----	-----	Z