

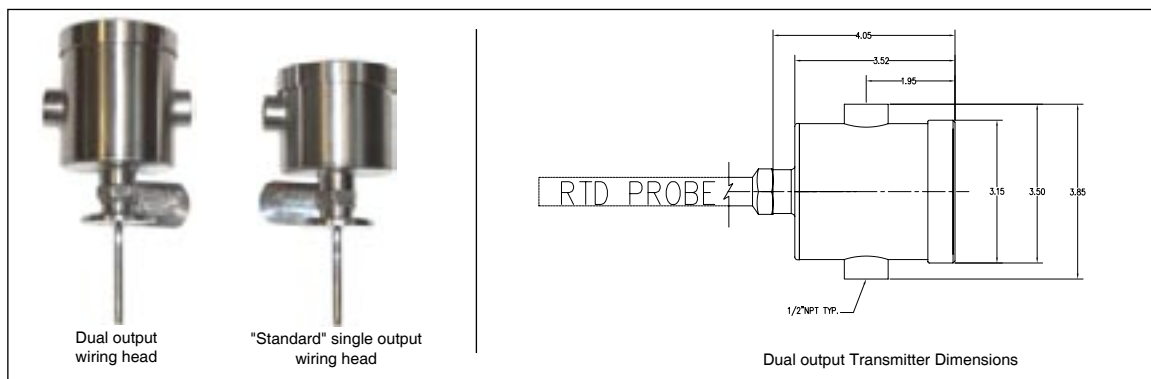
Technical Bulletin



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DUAL OUTPUT TEMPERATURE TRANSMITTERS TO MEET YOUR REDUNDANCY NEEDS



Application: Two temperature signals with only one process penetration.

Issue: In critical applications requiring redundant signals, installation of dual thermowells, RTD's and/or transmitters is very expensive. Also, lack of redundant temperature signals can lead to lost product due to power outages or failure of primary signal.

Solution: For years Anderson Instrument Company has been manufacturing custom wiring heads for customers requiring two temperature outputs from a dual element RTD probe. Now these flexible wiring heads are available as standard selections from our CT wiring head family. In fact, they are so flexible that customers can easily configure them in any combination to maximize redundancy while minimizing cost.

Output selections include:

- 3-wire RTD
- 4-20 mA
- 4-20 mA w/ HART
- Foundation Fieldbus (consult factory)

These outputs can be ordered in any dual configuration, mixed and matched in any combination. So if you require an RTD for a local display or recorder, but need a remote 4-20 mA to your PLC or DCS, no problem. Or if you just want redundant 4-20 mA outputs to cross-check or for back-up, that's easy too.

Pricing & Ordering: For pricing and ordering information for the dual output temperature transmitters, please refer to the back of this bulletin. To order our "standard" single output transmitters, refer to form number AIC5001 or AIC5001P for pharmaceutical series.

Specifications

Wiring Heads

General: The wiring heads are designed to accept any type of RTD element, but offers the cleanest package when coupled with Anderson "no exposed thread" RTD's, which provide an O-ring seal against the housing.

Material: 304 Stainless Steel

Analog, Smart

Display Modules: For specifications, please refer to Form Number AIC 5001 or AIC5001P.

Surface Finish: 32 micro-inch R_a max.

Dimensions: Transmitter: 3.15" O.D. X 3.52" L

Penetrations: (3) at 1/2" - 14 NPT female; (1) centered in bottom plate; (2) in side beneath cap rim.

Cable "Grip": Optional NEMA 4X "Hubbell" style connector, supplied when pre-wired cable is specified.

Ratings: NEMA 4X; IP-65

Approvals: UL (consult factory)

DUAL OUTPUT TRANSMITTER PRICE AND ORDERING INFORMATION

PRODUCT CODE		
STYLE		
5	Standard, Dual Output	\$145
6	Standard, Dual Output (with health authority seal provision)	\$160
MODULE¹		
0	No Module	N/C
A	Dual 4-20mA Temperature Transmitter	\$380
B	Dual Smart with 4-20mA with "HART"	\$790
C	4-20mA Temperature Transmitter & RTD	\$190
D	Smart 4-20mA with "HART" & RTD	\$395
E	4-20mA Temp. Transmitter & Smart 4-20mA with "HART" Transmitter	\$585
OUTPUT RANGE		
000	None (RTD only)	N/C
069	0-60 (C only)	N/C
071	0-100 (F or C)	N/C
073	0-150 (F or C)	N/C
075	0-200 (F only)	N/C
076	0-250 (F only)	N/C
077	0-300 (F only)	N/C
119	30-230 (F only)	N/C
132	50-250 (F only)	N/C
160	100-300 (F only)	N/C
255	0-180 (C only)	N/C
999	Programmable (Module style B, D or E only)	N/C
ENGINEERING UNITS		
0	None - RTD Only	N/C
F	Fahrenheit	N/C
C	Celsius	N/C
P	Programmable (Module style B, D or E only)	N/C
DISPLAY/UNITS		
00	None	N/C
PRE-WIRED ELEMENT		
0	None	N/C
1	Vertical Orientation	N/C
1	FIXED CHARACTER	
PRE-WIRED CABLE *		
00	None Supplied (Standard)	N/C
05	25'	\$ 40
10	50'	\$ 65
15	75'	\$ 90
20	100'	\$ 115

NOTE:

To order our "standard" single output transmitters, refer to form number AIC5001 or AIC5001P for pharmaceutical series.

¹ To order only the output module, consult our Customer Service Department.

"SMART" Module Part Number: 5610100003

(* supplied for each module)

Material/Certificates of Compliance - No Charge