

Temperature Transmitters

FEATURES

- One or two sensor inputs
- 4 to 20 mA output
- Models with HART® protocol
- FM or ATEX intrinsic safety (IS) approvals available
- Installed in S01, S10, S50 & S70 probes
- Programming to customer requirements
- Calibration certificates available

DESCRIPTION

Ashcroft offers temperature transmitters from industry leading manufacturers that can be installed and programmed in the heads of S10, S50 and S70 temperature probes and on S01 temperature inserts. Head mount transmitters are for DIN form B mounting. Remote head style transmitters with display are also available.

Transmitters are available with FM or ATEX intrinsically safe approvals. When used in intrinsically safe (IS) applications the transmitter's IS approval is used rather than the probe's IS approval since the wiring from the hazardous area to the nonhazardous area is done from the transmitter.



5331A



7501B



TMT172



TMT162

Temperature Transmitters

ORDERING CODE	Example:	5337D	-	P1	K	22	4=40F	20=300F	-C4
Transmitter Type - ABB Measurement & Analytics									
TTH200E - TTH200, 1 input, 4 to 20 mA with HART® output, ATEX IS approval									
TTH200L - TTH200, 1 input, 4 to 20 mA with HART® output, FM IS approval									
TTH300E - TTH300, 2 input, 4 to 20 mA with HART® output, ATEX IS approval									
TTH300L - TTH300, 2 input, 4 to 20 mA with HART® output, FM IS approval									
TTF300E - TTF300, 2 input, 4 to 20 mA with HART® output, ATEX IS approval and display									
TTF300L - TTF300, 2 input, 4 to 20 mA with HART® output, FM IS approval and display									
- PR Electronics									
5331A - 5331A 1 input, 4 to 20 mA output									
5331D - 5331D 1 input, 4 to 20 mA output, with FM IS approval									
5337A - 5337A 1 input, 4 to 20 mA with HART® output									
5337D - 5337D 1 input, 4 to 20 mA with HART® output, with FM IS approval		5337D							
7501A - 7501A 1 input, 4 to 20 mA with HART® output, FM IS approval, AL case & display									
7501B - 7501B 1 input, 4 to 20 mA with HART® output, FM IS approval, 316SS case & display									
- Endress + Hauser									
TMT162 - 1 input, 4 to 20 mA with HART® output, loop powered & display									
TMT162WHB - 1 input, WirelessHART® battery powered & display									
TMT172 - 1 input, 4 to 20 mA with HART® output									
TMT182 - 2 input, 4 to 20 mA with HART® output, high accuracy									
-									
Programming									
NP - Not programmed									
P1 - Programmed with 1-sensor input				P1					
P2 - Programmed with 2-sensor input									
Sensor Type									
0 - Not Programmed - no sensor specified									
2 - RTD - 2-wire									
3 - RTD - 3-wire									
4 - RTD - 4-wire									
K - Thermocouple Type K					K				
J - Thermocouple Type J									
N - Thermocouple Type N									
T - Thermocouple Type T									
E - Thermocouple Type E									
R - Thermocouple Type R									
S - Thermocouple Type S									
B - Thermocouple Type B									
Error Signal									
22 - High alarm value 22 mA						22			
35 - Low alarm value 3.5 mA									
Min Temperature Range									
4=xxxxC - Minimum temperature range in °C (C=-270 to 1820)									
4=xxxxF - Minimum temperature range in °F (-454 to 3272)							4=40F		
Max Temperature Range									
20=xxxxC - Maximum temperature range in °C (C=-270 to 1820)									
20=xxxxF - Maximum temperature range in °F (-454 to 3272)								20=300F	
Options - Must add "-" before the first option									
C4 - 3 point Traceable calibration certificate taken at minimum, mid and maximum range									-C4

Consult factory for additional models, features or options.