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P5320

Programmable Transmitter with HART Protocol

- One type of transmitter for all regular resistance and thermoelectric sensors
- Linearized output signal 4 to 20 mA, HART
- Accuracy up to 0.05 % of set range
- Rangeability 0.1 % to 100 % of input range (see formula)
- Reinforced isolation of 3.7 kVAC (test)
- HART protocol communication
- One or two sersors
- Meet harsh industrial requirements and EMC standards according to EN 61326-1/A1

NEW

Type	Description	Price in EUR
P5320	Universal Programmable Transmitter with HART Protocol (deliveries from 3/2006)	CS
Code	**Version**	
H10	Mounting on Thermometer Head Form B according to DIN, for single or double sensors	
H11	Mounting on Thermometer Head Form B according to DIN, for single sensors	
L10	Rail Mounted Transmitter, DIN Rail TS 35, for single or double sensors	
L11	Rail Mounted Transmitter, DIN Rail TS 35, for single sensors	
Code	**Sensor Connection**	
NR	Presetting of Range and Input (C02 R11 RL 0 °C RH 100 °C ECH)	
QR	Detailed Customer Specified Setting according to Configuration Sheet	
Code	**Input Setting**	
C01	Two-wire Connection of Resistance Sensor 0 to 25000 Ohm	
C02	Three-wire Connection of Resistance Sensor 0 to 25000 Ohm	
C03	Four-wire Connection of Resistance Sensorv 0 to 25000 Ohm	
C04	Connection of Potentiometer without Wire Resistance Compensation (Max. Range 0 to 100 %)	
C05	Connection of Potentiometer with Wire Resistance Compensation (Max. Range 0 to 100 %)	
C06	Connection of Voltage Sensor or T/C with Internal CJC	
C07	Connection of Voltage Sensor or T/C with External CJC (2-wire)	
C10	Difference of Two Two-wire Resistance Sensors, no for code H11, L11	
C11	Average of Two Two-wire Resistance Sensors (hot-backup), no for code H11, L11	
C12	Difference of Two Two-wire Thermoelectric or voltage Sensors, no for code H11, L11	
C13	Average of Two Two-wire Thermoelectric or Voltage Sensors (hot-backup), no for code H11, L11	
Code	**Linearization**	
R01	Without Linearization	
R11	Pt100 IEC 751 (-200 to +850 °C) with Linearization	
R12	Pt500 IEC 751 (-200 to +850 °C) with Linearization	
R13	Pt1000 IEC 751 (-200 to +850 °C) with Linearization	
R14	Ni100 DIN 43760 (-60 to +250 °C) with Linearization	
R15	Ni1000 DIN 43760 (-60 to +250 °C) with Linearization	
R51	Thermocouple "J" IEC 584 (-200 to 1200 °C) with Linearization	
R52	Thermocouple "K" IEC 584 (-200 to 1300 °C) with Linearization	
R53	Thermocouple "N" IEC 584 (-200 to 1300 °C) with Linearization	
R54	Thermocouple "R" IEC 584 (-50 to 1700 °C) with Linearization	
R55	Thermocouple "S" IEC 584 (-50 to 1700 °C) with Linearization	
R56	Thermocouple "T" IEC 584 (-250 to 400 °C) with Linearization	
R57	Thermocouple "B" IEC 584 (100 to 1800 °C) with Linearization from 0 °C	
R58	Thermocouple "E" IEC 584 (-200 to 950 °C) with Linearization	
R59	Thermocouple "L" DIN 43710 (-200 to 900 °C) with Linearization	
R60	Thermocouple "C" N.I.S.T. Monograph 175 (0 to 2300 °C) with Linearization	
R90*	Customer Linearization	
Code	**Compensation Terminal Board Temperature for thermoelectric sensor (Input configuration C06, C07, C12, C13)**	
K01	Without CJC	
K02	With Compensating Constant Temperature (Fill in Value and Units)	
K03	With Internal CJC, for code C06, C12, C13	
K04	With External CJC of Sensor Pt100, for code C07	
K05	With External CJC of Sensor Pt1000, for code C07	
K90	With External CJC of Other Sensor, for code C07	
Code	**Setting Range**	
RL **	Start of Range (4 mA) (Fill in Value and Units)	
RH **	End of Range (20 mA) (Fill in Value and Units)	
Code	**Error Current Selection**	
ECL	Error Current below (< 3.6 mA)	
ECH	Error Current above (> 21 mA)	
Code	**Optional Accessories**	
EI1	Intrinsically Safe Version II 1G EEx ia IIC T4-T6 (availability in 2006)	
EI2	Non Incendive Version II 3G EEx nA II T4 (availability in 2006)	
KH-02	Complete Communicator for Windows 9x/ME, NT, 2000, XP (MH-02 + KomHart 3.x)	
USB-RS232C	Communication Interface for to USB Port of the PC	
PT1000A	Compensation Resistor Pt1000 (-30 to 150 °C) for External Compensation of Thermocouple	
VH1	Cap for Head B for Mounting of Transmitter (H10 and H11 Versions)	
APT1	Adapter for Straight Head	

3-year Warranty

Example of Order: P5320 H11 C03 R11 RL 0 °C RH 350 °C ECL
P5320 H10 NR (Presetting: C02 R11 RL 0 °C RH 100 °C ECH)

* Linearization Chart in Required Range Must Be Added
** Fill in Value and Units (for Ranges of Potentiometr in Percent)
CS ... Consult Supplier