



JSP Transmitters

For all types of resistance and thermocouple sensors



JSP TRANSMITTERS FEATURE

Programmable analog output 4 to 20 mA

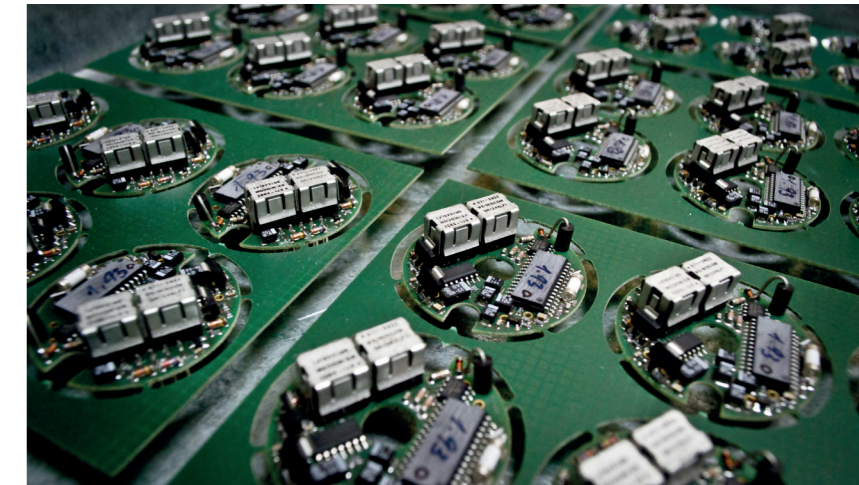
Accuracy up to 0,05 % with linearization

HART communication protocol support

Head mounted and DIN rail versions



	P5310	P5311	P5315	P5320	P5335
Description:	Standard programmable transmitter without galvanic isolation	Standard programmable transmitter with galvanic isolation	Precision programmable transmitters with galvanic isolation	Precision programmable transmitters with HART communication	Universal single or double channel transmitters with HART Communication
Input:	RTD / TC / lin. R / pot. / mV	RTD / TC / lin. R / pot. / mV	RTD / TC / lin. R / pot. / mV	RTD / TC / lin. R / pot. / mV	RTD / TC / lin. R / mV
- RTD	Pt100/500/1000, Ni100/1000	Pt100/500/1000, Ni100/1000	Pt100/500/1000, Ni100/1000	Pt100/500/1000, Ni100/1000, Cu50/100	Pt100/1000, Ni100
- TC	J/K/N/R/S/T/B/E/L/C	J/K/N/R/S/T/B/E/L/C	J/K/N/R/S/T/B/E/L/C	J/K/N/R/S/T/B/E/L/C	J/K/N/R/S/T/B/E/L/U/W3/W5
- lin. R	0...400, 0...4000 Ω	0...400, 0...4000 Ω	0...400, 0...4000 Ω	0...400, 0...6000 Ω	0...7000 Ω
- pot.	40...400 Ω, 400...4000 Ω	40...400 Ω, 400...4000 Ω	40...400 Ω, 400...4000 Ω	40...6000 Ω	-
- mV	-15...70 mV	-15...70 mV	-15...70 mV	-100...+100 mV	-800...+800 mV
Versions	head mounted / DIN rail	head mounted / DIN rail	head mounted / DIN rail	head mounted / DIN rail	DIN rail
Number of channels:	1	1	1	1 and 2 (DIN rail)	1 and 2
Max. accuracy:	0,1 %	0,1 %	0,05 %	0,05 %	0,05 %
Span adjustability:	1...100 %	1...100 %	1...100 %	1...100 %	1...100 %
Output:	4...20 / 20...4 mA (2wire)	4...20 / 20...4 mA (2wire)	4...20 / 20...4 mA (2wire)	4...20 / 20...4 mA (2wire)	4...20 / 20...4 mA (2wire)
Digital communication:	LHP	LHP	LHP	HART	HART
Galvanic isolation:	-	1000 VAC	1000 VAC	1000 VAC	1500 VAC
Long-term stability	≤ ±0.2 % of range / 2 yrs.	≤ ±0.2 % of range / 2 yrs.	≤ ±0.1 % of range / 2 yrs.	≤ ±0.1 % of range / 2 yrs.	≤ ±0.1 % of range / 2 yrs.
Terminals	screw	screw	screw or spring	screw or spring	screw or spring
Power supply	9...35 VDC	11...35 VDC	9...35 VDC	9...35 VDC	8...35 VDC
Ambient temperature	-40...+85 °C	-40...+85 °C	-40...+85 °C	-40...+85 °C	-40...+85 °C
Reference temperature	23 ±5 °C	23 ±5 °C	23 ±5 °C	23 ±5 °C	20...28 °C
ATEX approval	II 3G Ex nA IIC T4 Gc	II 1G Ex ia IIC T4..T6 Ga II 1D Ex ia IIIC T106°C Da II 3G Ex nA IIC T4 Gc	II 3G Ex nA [ic] IIC T4 Gc	II 1G Ex ia IIC T4..T6 Ga II 1D Ex ia IIIC Txx°C Da II 1G Ex ia IIC T4..T6 Ga II 1D Ex ia IIIC Txx°C Da II 3G Ex nA [ic] IIC T4 Gc	-
					
Housing	IP40* (head mounted) IP20 (DIN rail)	IP40* (head mounted) IP20 (DIN rail)	IP40* (head mounted) IP20 (DIN rail)	IP40* (head mounted) IP20 (DIN rail)	IP20
Dimensions [mm]	Ø 44 × 24 (head mounted) 17.5 × 62.5 × 64 (DIN rail)	Ø 44 × 24 (head mounted) 17.5 × 62.5 × 64 (DIN rail)	Ø 44 × 24 (head mounted) 107 × 120 × 23 (DIN rail)	Ø 44 × 24 (head mounted) 107 × 120 × 23 (DIN rail)	107 × 120 × 23



JSP develops and produces digital temperature transmitters – from simple, reliable and inexpensive models to versatile, fully programmable units supporting modern communication standards.

JSP handheld configuration devices

LHPConf and **HARTConf** devices are intended for reading, adjusting and changing the configuration of instruments with LHP and HART communication. The configurator and its functions are controlled through a graphical color display and buttons.

- Display of actual input and output values of connected instrument, and up to three other variables.
- Testing a current loop, changing notes, units, damping, etc.
- Power supply for transmitter without any external power supply unit.
- Configurator powering from an accumulator, USB or a prismatic battery. Up to 15 hours of continuous operation.
- Using the instrument as a HART-USB modem.



* ... After installation to the head the housing is given by the design of the head.



JSP Industrial Controls



Development and production of own products

Temperature sensors • Transmitters and power supplies • Pressure sensors and manifolds • Orifices, nozzles • SWAS



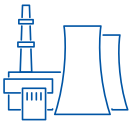
Complete product range

Equipment from more than 300 manufacturers fulfills the requirements of all the main I&C applications



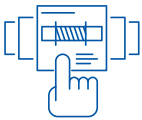
Comprehensive solutions

Engineering and design works • Complex deliveries • Assembly and commissioning • Service



Turn-key projects

Field instrumentation • LV/MV systems • Lighting installation • SWAS • Weighing scales



Premium services

Warranty and post-warranty services • Calibration • Instrument rentals • Trainings in I&C

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