

## **Pressure Transmitter Solution**

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Product Name	Pressure Transmitter /Absolute Pressure Transmitter		Differential Pressure Transmitter		Direct mounted Pressure Transmitter		Flange Level Transmitter		Remote Seal Differential pressure transmitter		Remote Seal (Absolute) Pressure Transmitter		Multivariab le Transmitter
Туре	Capacitanc e	Silicon	Capacitance	Silicon	Diffusive Silicon	Silicon	Capacitanc e	Silicon	Capacitance	Silicon	Capacitanc e	Silicon	Silicon
Model	JCGP /AP	EJCGP /AP	JCDP	EJCDP	JCBP	EJCBP	JCLT	EJCLT	JCRH/RL	EJCRH/RL	JCRN/RS	EJCRN/RS	JCMT
Measurem ent medium	Gas /Steam / Liquid	Gas /Steam / Liquid	Gas /Steam / Liquid	Gas /Steam / Liquid		Gas /Steam	Gas /Steam / Liquid		Gas /Steam / Liquid	Gas /Steam / Liquid	Gas /Steam / Liquid	Gas /Steam / Liquid	Gas /Steam / Liquid
Static Pressure Limits	Max 32 Mpa	Max 32 Mpa	Max 32 Mpa	Max 32Mpa	Max 60Mpa	Max 60Mpa	32Mpa	32Mpa	32Mpa	32Mpa	32Mpa	32Mpa	40Mpa
Body Material	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC	316SS/HC
Range Limit	0—100Pa ∼2MPa		0—100Ра~ 2MPa	0—100Pa ~2MPa	0-60000Kpa	0-60000Kpa	0-10000kpa	0-10000kpa	0-10000kpa	0-10000kpa	0-10000kpa	0-10000kpa	0-186kpa for DP, 0- 40Mpafor GP
Accuracy	0.1%	0.075%	0.1%	0.075%	0.1%	0.075%	0.2%	0.1%	0.2%	0.1%	0.2%	0.1%	0.075%
0			316LSS/Tan/						316LSS/Tan				316LSS/Tan/
Diaphram Output	n/HC n/HC 4-20ma /Hart		HC n/HC 4-20ma /Hart		n/HC n/HC 4-20ma /Hart		an/HC n/HC 4-20ma /Hart		/HC n/HC 4-20ma /Hart		n/HC /HC 4-20ma /Hart		HC 4-20ma
Output Process	4-20111a / Hart		4-20111a / mart		4-20111a / Hait		4-20111a / Mart		4-20111a / 11a11		4-20111a / 11a11		/Uart
Connector material	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS	316 SS
Gasket Material	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE	NR/PTFE

Power supply	24 VDC		24 VDC		24 VDC		24 VDC		24 VDC		24 VDC		24 VDC
Connectio	1/2"NPTor M20*1.5		1/2"NPTor M20*1.5		1/2"NPTor M20*1.5		1/2"NPTor M20*1.5		1/2"NPTor M20*1.5		1/2"NPTor M20*1.5		1/2"NPTor M20*1.5
Process Connectio n	Flange with fixing thread 7/16-20 UNF and 1/4-18 NPT female thread on both sides		Flange with fixing thread 7/16-20 UNF and 1/4-18 NPT female thread on both sides				1" to 6" Flange		1" to 6" Flange		1" to 6" Flange		Flange with fixing thread 7/16-20 UNF and 1/4-18 NPT
Resonse time	0.2 to 1.67 sec	0.1 to 1.6 sec	0.2 to 1.67 sec	0.1 to 1.6 sec	0.2 to 1.67 s	0.1 to 1.6 sec	0.2 to 1.67	0.1 to 3 sec	0.2 to 1.67 se	e 0.1 to 3sec	0.2 to 1.67 sec	0.1 to 3 sec	0.1 to 1.6 sec
Stability	0.1% within 12 months of maximum span	within 12 months of maximum span	0.1% within 12 months of maximum span	0.075% within 12 months of maximum span	within 12 months of	0.075% within 12 months of maximum span	0.1% within 12 months of maximum span	0.075 % within 12 months of maximum span	0.1% within 12 months of maximum span	0.075 within 12 months of maximum span	0.1% within 12 months of maximum span	0.075% within 12 months of maximum span	0.075% within 12 months of maximum span
Medium Temperat ure	'-25 to 120 ℃	°-25 to 120 ℃	'-25 to 120 ° C	'-25 to 120 ℃	°-25 to 120 ℃	°-25 to 120 ℃	'-25 to 180 ℃	'-25 to 180 ℃	'-30 to 400°	C '-30 to 400°	( '-30 to 400°	• -30 to 400°	2'-30 to 480° C
Fill fluid	oil/ Vegetable	Silicone oil/ Vegetable oil	Silicone oil/ Vegetable oil		Silicone oil/ Vegetable oil	oil/ Vegetable	oil/ Vegetable	oil/ Vegetable	Silicone oil/ Vegetable oil	Silicone oil/ Vegetable oil	oil/ Vegetable	Silicone oil/ Vegetable oil	Silicone oil/ Vegetable oil
Display	LCD with backlight		LCD with backlight		LCD with backlight		LCD with backlight		LCD with backlight		LCD with backlight		LCD with backlight
Housing	Aluminum with epoxy resin coat		Aluminum with epoxy resin coat		Aluminum with epoxy resin coat		Aluminum with epoxy resin coat		Aluminum with epoxy resin coat		Aluminum with epoxy resin coat		Aluminum with epoxy resin coat
Turn Down Ratio	40:1	100:1	40:1	100:1	40:1	100:1	40:1	100:1	40:1	100:1	40:1	100:1	100*1
Degress of protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Weight (kg)	4.5 4		4.5	4	2.5	2.5			0kg;DN 80/3" about 8 $\sim$ ' about 9 $\sim$ 12kg		DN 50/2"about 7~ 10kg;DN 80/3" about 8 ~ 11kg;DN 4" about 9~		4.5
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## **Functional Safety Verification**

No. 3B171218.JJSQD55 Test Report no. JC171217001PR

## Certificate's Holder: Jiangsu Jiechuang Science And

Technology Co., Ltd. No.288,Tongtai road, Jinhu industrial park, Huai'an, Jiangsu, China.

Product: Model(s): Differential Pressure / Pressure Transmitter JC-G 🔲, JC-E 🔲.

Standard:

Verification Mark:

IEC 61508:2010 Parts 1-7



The Verification Mark can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way

Notes:

Systematic Integrity: SIL2 Capable; Random Integrity: Type A Element; Hardware Fault Tolerance : HFT=0; PFDAVG and Architecture Constraints must be verified for each application;

\*Specific Requirements: The instructions of the associated Installation and Operating Manual shall be considered.

**Remark:** This SIL Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Test Report is existent for the above listed product(s) and found to meet the requirements of above standards for application in safety related system up to Safety Level of SIL 2.

The unit must be properly designed into a Safety Instrument Function as per the requirements in the Safety Manual. The Verification Mark shown above can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way. In addition the Verification's Holder is NOT allowed to transfer the Verification to third parties. This certificate can be checked for validity at www.entecerma.it

Date of issue 18 December 2017

**Chief Manager** o Morino

Expiry date 17 December 2022

Deputy Manager Amanda Payne



## **CERTIFICATE OF CONFORMITY**

TEST REPORT NO: JJS-17000517-2

CERTIFICATE NO: UST-CE-3680

NAME OF THE MANUFACTURER:

Jiangsu Jiechuang Science And Technology Co., Ltd

**ADDRESS:** 

288#, Tongtai Road, Jinhu Industrial Park, Huai' an, Jiangsu, China.

**PRODUCT NAME:** 

**Pressure Transmitter** 

**PRODUCT MODEL:** 

BCST-JCGP; BCST-JCDP; BCST-JCBP; BCST-JCAP; BCST-EJC series; BCST-JC01; BCST-JC02

**APPLICABLE EC DIRECTIVES:** 

Electromagnetic Compatibility Directive (2014/30/EU) EN 61000-3-2:2014,EN 61000-3-3:2013

BASED ON OUR REVIEW WE CAN CONFIRM THAT THE TECHNICAL FILE FOR THE ABOVE MENTIONED PRODUCT MEETS THE REQUIREMENTS OF THE RELEVANT EC DIRECTIVES. THE MANUFACTURER IS RESPONSIBLE FOR CERTIFYING THE PRODUCT AND ENSURING THAT ALL MANUFACTURED PRODUCTS ARE IN COMPLIANCE WITH THE SPECIFICATIONS DETAILED IN THE TECHNICAL FILE THIS CERTIFICATE IS VALID **UNTIL 05/18/2022** 



**Certificate Issued:** 

Place: BEIJING CHINA

Signature: 2017 / 05 / 18

www.certchina.org China Tel: 400-888-2692 UNITED-STANDARD TESTING & CERTIFICATION CENTRE

