	
DOC NUMBER: 569-DB7A-AIC-712-001		CLIENT NUMBER: PRD-AIC-DSH-010	
CLIENT: TAKEDA/BAXALTA			
PROJECT: BURITI EPCVM PROJECT			

DATA SHEET

PRESSURE INDICATING TRANSMITTER-NON SANITARY

2	26JAN2022	ISSUED FOR CONSTRUCTION UPDATED AS PER NOTES	MAB	MAF	RSP
1	17NOV2021	ISSUED FOR CONSTRUCTION UPDATED AS PER NOTES	MAB	MAF	RSP
0	13SEP2021	ISSUED FOR CONSTRUCTION	MAB	MAF	RSP
A	31MAR2021	60% DD ISSUE	MAB	MAF	RSP
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

NUMBER: 569-DB7A-AIC-712-001

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TITLE





SHEET: 2 de 4

PRESSURE INDICATING TRANSMITTER-NON SANITARY

REV.: 2





DOCUMENT REVIEW CONTROL

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TITLE			SHEET: 3 de 4
PRESSURE INDICATING TRANSMITTER-NON SANITARY			REV.: 2
REFERENCE DOCUMENTS			
7A-Z-0-2-01	DRUG PRODUCT - BUFFER PREP		
7A-Z-0-2-02	DRUG PRODUCT - FORMULATION		
7A-Z-0-2-03	DRUG PRODUCT - STERILE FILTRATION - FIL-3901		
7A-Z-0-2-25	DRUG PRODUCT - HOT WFI STORAGE TANK - TQ-6401		
PRD-AIC-LIS-046	INTEGRATED PROJECT SERVICES - INSTRUMENT SUGGESTED SUPPLIER LIST		

GENERAL NOTES
<p>1 - Transmitters must have the following characteristics:</p> <p>a) They must be electronic, intelligent and programmable, with signal transmission from 4 to 20mA to two galvanically isolated wires from the power supply;</p> <p>b) Withstand the respective maximum static design pressures;</p> <p>c) They must be able to identify internal failures;</p> <p>d) Be able to define the output signal value, programmable in 0% or 100% of the range, in case of failure of the sensor element;</p> <p>e) External supply at 24Vdc</p> <p>2 - All transmitters must have enclosures, whose parts exposed to the atmosphere are resistant to environmental conditions, including those generated by the condition of the process, enabling light external cleaning.</p> <p>3 - The identification plates must be manufactured in stainless steel AISI 304, permanently attached to the instruments with tag and serial number. The serial number of the instrument, when possible, can be engraved on the body itself.</p> <p>4 - The identification plates must be manufactured in stainless steel AISI 304, permanently attached to the instruments with tag and serial number. The serial number of the instrument, when possible, can be engraved on the body itself.</p> <p>5 - The manufacturer must inform in the catalog of the transmitter the dimensions of the same for installation in the place indicated in the project.</p> <p>6 - The liquid crystal instrument display with internal illumination for all the information that is necessary for its calibration and indication of necessary variables.</p> <p>7 - All transmitters must be provided with protection type certificates compatible with the respective area classification. If the enclosure requires certificates regarding type and degree of protection, both proofs must be explicit in the same certificate. The certificates must be issued by INMETRO or an accredited body.</p> <p>8 - Grounding rings must be provided in compatible material, with the instrument box and easy access for assembly, being at least AISI 316.</p>

REVISION 0 - NOTES
1- REVISED AS PER INSTRUMENT LIST NUMBER PRD-AIC-LIS-010_B_PCS_INSTRUMENT_INDEX AND BACKLOG NUMBER 99000-184.0 2021.03.30 - A&IC DOCUMENTS - COMMENTS_REV.01
REVISION 1 - NOTES
1 - ACCORDING NEW ARQUITECTURE UPDATED
REVISION 2 - NOTES
1 - ADDED INSTRUMENT: PIT-650101

 				 			
NUMBER: 569-DB7A-AIC-712-001				CLIENT NR: PRD-AIC-DSH-010			
TITLE						SHEET: 4 de 4	
PRESSURE INDICATING TRANSMITTER-NON SANITARY						REV.: 2	
GENERAL	1	INSTRUMENT TAG NUMBER			PIT-650101		
	2	SERVICE			FROM GENERATION CLEAN STEAM		
	3	P&ID			7A-Z-0-2-28		
	4	PIPE LINE	EQUIPMENT NUMBER		3"-SFI-650101-SS10-HC	-	
	5	EQUIPMENT MATERIAL / PIPE			316SS		
	6	AREA CLASSIFICATION			NOT CLASSIFIED		
	7	ENCLOSURE CLASSIFICATION			IP 65 (MÍN.) CONF. NBR IEC 60529		
	8	CERTIFICATES			(SEE GENERAL NOTES 7 - PAGE 3)		
	9						
TRANSMITTER	10	TYPE			MICROPROCESSED		
	11	MOUNTING			REMOTE		
	12	BODY MATERIAL			316SS		
	13	BODY PRESSURE CLASS			BY MANUFACTURER		
	14	METER CASING			ALUMINIO (COPPER FREE)		
	15	POWER SUPPLY			24 Vcc - 2 FIOS		
	16	OUTPUT SIGNAL			4 - 20 mA (500 ohms @ 24 Vcc)		
	17	COMMUNICATION PROTOCOL			HART		
	18	PRECISION			± 0.075% F.E.		
	19	REPEATABILITY			BY MANUFACTURER		
	20	ELEMENT TYPE			DIAPHRAGM (CAPACITIVE)		
	21	SENSOR ELEMENT MATERIAL			316LSS		
	22	CALIBRATION RANGE			0 - 10 barG		
	23	CALIBRATED RANGE			2 barG		
	24	CONNECTION TO PROCESS (HIGH / LOW)			1/2" NPT (F)	1/2" NPT (F)	
	25	ELECTRICAL CONNECTION			1/2" NPT (F)		
	26						
	27	ADJUSTABLE RANGE / AJ. LOCAL ZERO AND SPAN			YES / YES		
DIAPHRAGM SEAL	28	DIAPHRAGM SEAL			HIGIENIC CLAMP		
	29	SEAL MATERIAL			ASTM A270 Gr.TP316L		
	30	CONNECTION TO PROCESS			2"		
	31	FLANGE FACE FINISH			FLAT ENDS FOR ORBITAL WELDING X TRI-CLAMP		
	32	FILLING FLUID			MANUFACTURE STANDARD		
	33	CAPILLARY MATERIAL			-		
	34	CAPILLARY LENGTH			-		
	35				-		
ACCESSORIES	36	MOUNTING ACCESSORIES			YES, STAINLESS STEEL FOR 2" TUBE		
	37	MANIFOLD			NOT		
	38	LOCAL INDICATION			LCD (NOTE 6 - PAGE 3)		
	39	TAGGING			(NOTE 4 - PAGE 3)		
	40	SURGE PROTECTOR			YES		
OPERATING CONDITIONS	41	FLUID	PHYSICAL STATUS		STEAM		VAPOR
	42	MINIMUM TEMPERATURE	NORMAL	MAXIMUM	80	-	°C
	43	MINIMUM PRESSURE	NORMAL	MAXIMUM	2	-	barG-g
	44	DESIGN PRESSURE	DESIGN TEMPERATURE		-	barG	°C
	45	VISCOSITY @ OPERATING CONDITION			-	Cp	
	46	DENSITY @ OPERATING CONDITION			-	kg/m³	
	47	SUSPENDED SOLIDS (%)			-		
	48	M.M. / Z / Cp/Cv			-		
50	MANUFACTURER			Endress + Hauser (E+H) or Similar			
51	MODEL						