

HAYAN PETROLEUM COMPANY		شركة حيان للنفط
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Enquiry No: MWR: 015/INS/FIELD /26

Differential Pressure Transmitters for measuring liquid level in GTP

Item	Description	Qty.	Unit Price NSP	Total Price NSP
1	Diff. pressure indicator transmitter with remote sealed diaphragm Model no: EJX110A-EMSWG-91DDJ/KS2/D3/M01/X2 Manufacturer : Yokogawa Attachments (1 ,2) transmitters specifications Attachment 7 : sensing element specifications	2		
2	Diff. pressure indicator transmitter with remote sealed diaphragm Model no: EJX110A-ELSZG-91DDJ/KS2/D3/M01/X2 Manufacturer : Yokogawa Attachments (3 ,4) transmitters specifications Attachment 7 : sensing element specifications#	2		
3	Diff. pressure indicator transmitter with remote sealed diaphragm Model no: EJX110A-EMS5G-91DDJ/KS2/D3/M01/T13/X2 Manufacturer : Yokogawa Attachments (5 ,6) transmitters specifications Attachment 7 : sensing element specifications#	2		

IMPORTANT NOTES:

1. Vendor's standard paint shall be suitable for desert/offshore environment. All transmitters shall be tropicalized.
2. Over ranging the measured pressure shall not affect the pressure instrument or its calibration up to 130% FSD.
3. DP Seals shall be remote type with capillary tube at both HP and LP side.
4. Seals shall be provided with Flushing Rings(by PGI).
5. Measuring element shall be able to withstand the static design pressure on both sides (HP & LP), otherwise protective devices shall be provided .
6. Transmitters shall be provided with built in lightning protection.

GENERAL NOTE: In case that during tendering, in spite of stated model number and belonging attachment, some bidder would be still in doubt or wouldn't have enough technical data about particular item it's strongly recommended to ask for additional clarification.

(1)

GENERAL	1	Tag Number		LT -2101-04			
	2	Service		V-2101 HP SEPRTR CONDNSATE LEVEL			
	3	P&ID No.		JI-191-PR-12-2100-10001-1			
	4	Vessel No.	Vessel Trim	V-2101	CD0		
	5	Mounting		2" Pipe Mounting			
	6	Area Classification		Zone 1 Gr IIA T3			
	7	NACE MR 01-75 / ISO 15156 Compliance		NA			
	8	SIL Certification	Remarks	NA			
	9	Corrosive / Erosive	Upper	Lower	Yes	Yes	Yes
PROCESS CONDITIONS	10	Fluid		HC			
	11	Fluid Phase		Gas/Vapor			
	12	Pressure Max	Nor.	85	bar-g	81	lbar-g
	13	Temperature Max.	Nor.	59	°C	44	°C
	14	Oper. Spec. Gravity	Oper. Viscosity	0.65815		cP	
	15	Design Pressure Min.	Max.			93	bar-g
	16	Design Temp. Min.	Max.	-10	°C	87	°C
TRANSMITTER	17	Instrument Range		-1000 to 1000 mbar			
	18	Calibration Range		41.46 - 219 mbar			
	19	Elevation / Supression	Failure Mode	Required		Configurable	
	20	Transmitter Type	Element Type	SMART Type		Diaphragm	
	21	Element Material	Fill Fluid	Hastelloy C-276		Silicone Oil	
	22	Body Material	Body Rating	ASTM CF8M		25 MPa	
	23	Oval Flanges Material	O-Rings Material	--		--	
	24	Bolts & Nuts	Enclosure Material	SS 316		Die Cast Aluminium (Epoxy Coated)	
	25	Process Connection	HP LP	--		--	
	26	Electrical Connection		ISO M20 x1.5 mm - 2 Nos			
	27	Power Supply	Load Resistance	24 VDC, Loop Powered		600 Ohm @ 24 VDC	
	28	Signal Output		4 - 20 mA DC, HART			
	29	Hazardous Area Certification		EEx 'ia' (ATEX) & CE Marking			
	30	Ingress Protection		IP 65			
	DIAPHRAGM SEAL	31	Accuracy	Repeatability	+/- 0.15 to +/- 0.3% of Span		+/- 0.04% of span
32		Process Connection & Rating	HP LP	Flanged 2", 600# RF		Flanged 2", 600# RF	
33		Process Connection Finish	HP LP	(3.2~6.3 Ra)		(3.2~6.3 Ra)	
34		Wetted Parts Material	Flange Material	Duplex SS		Duplex SS	
35		Capillary Fill Fluid		Silicone oil			
36		Capillary Material		Stainless Steel (PVC Coated)			
37		Capillary Type	Length - HP / LP	Armoured		5 m	
38		Flushing Ring / Flushing Connection		Required 1/2" NPT (F) Flushing Connection with Vent & Drain			
39		Allowable Temperature for Fill Fluid		-20 - 400°C			
OPTIONS		40	Integral Meter	Scale	Required - LCD Type		Configurable in Engg units
	41	5 Valve Manifold	Connection Size	NA		NA	
	42	Mounting Brackets		SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut			
	43	Lightning / Surge Protection		--			
	44	Manifold Vent / Drain Plug		NA			
COMMUNICATION AND SOFTWARE	45	Communication Type		HART Protocol			
	46	Internal Diagnostics		Yes			
	47	Hand Held Communicator		-			
PURCHASE	48						
	49	Manufacturer	Model	YOKOGAWA		EJX110A-EMSWG-91DDJ/KS2/D3/M01/X2	
	50	Remote Seal Model No : HP		990.27 / KN 2.2 / 5 Mtrs			
	51	Remote Seal Model No : LP		990.27 / KN 2.2 / 5 Mtrs			
	52	Manifold Model No.	Flushing Ring Model No.	NA		--	
	53	Purchase Order No.	Serial No.	191030153		TBA	

Notes: See notes

				INSTRUMENT DATASHEET		  HYDRA-PAC PROCESSING SYSTEMS 14000 W. 14th St. Suite 200 Tulsa, OK 74107-3000
				DP Level Transmitter		
0	PK	7/13/2009	ISSUED FOR PURCHASE			
B	PK	11/27/2008	ISSUED FOR APPROVAL			
A	PK	11/20/2008	ISSUED FOR IDC			
No.	By	Date	Description	Code: 77	Dwg. No.: JI-191-IN-07-2970-10027	Page 105 of 282
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(2)

GENERAL	1	Tag Number		LT -2101-05			
	2	Service		V-2101 HP SEPARATOR VESSEL LEVEL			
	3	P&ID No.		JI-191-PR-12-2100-10001-1			
	4	Vessel No.	Vessel Trim	V-2101	CDO		
	5	Mounting		2" Pipe Mounting			
	6	Area Classification		Zone 1 Gr IIA T3			
	7	NACE MR 01-75 / ISO 15156 Compliance		NA			
	8	SIL Certification	Remarks	NA			
	9	Corrosive / Erosive	Upper	Lower	Yes	Yes	Yes
PROCESS CONDITIONS	10	Fluid		HC			
	11	Fluid Phase		Gas/Vapor			
	12	Pressure Max	Nor.	85	bar-g	81	lbar-g
	13	Temperature Max.	Nor.	59	°C	44	°C
	14	Oper. Spec. Gravity	Oper. Viscosity	0.65815		cP	
	15	Design Pressure Min.	Max.			93	bar-g
TRANSMITTER	16	Design Temp. Min.	Max.	-10	°C	87	°C
	17	Instrument Range		-1000 to 1000 mbar			
	18	Calibration Range		41.46 - 219 mbar			
	19	Elevation / Supression	Failure Mode	Required		Configurable	
	20	Transmitter Type	Element Type	SMART Type		Diaphragm	
	21	Element Material	Fill Fluid	Hastelloy C-276		Silicone Oil	
	22	Body Material	Body Rating	ASTM CF8M		25 MPa	
	23	Oval Flanges Material	O-Rings Material	--		--	
	24	Bolts & Nuts	Enclosure Material	SS 316		Die Cast Aluminium (Epoxy Coated)	
	25	Process Connection	HP LP	--		--	
	26	Electrical Connection		ISO M20 x1.5 mm - 2 Nos			
	27	Power Supply	Load Resistance	24 VDC, Loop Powered		600 Ohm @ 24 VDC	
	28	Signal Output		4 - 20 mA DC, HART			
	29	Hazardous Area Certification		EEx 'Ia' (ATEX) & CE Marking			
DIAPHRAGM SEAL	30	Ingress Protection		IP 65			
	31	Accuracy	Repeatability	+/- 0.15 to +/- 0.3% of Span		+/- 0.04% of span	
	32	Process Connection & Rating	HP LP	Flanged 2", 600# RF		Flanged 2", 600# RF	
	33	Process Connection Finish	HP LP	(3.2~6.3 Ra)		(3.2~6.3 Ra)	
	34	Wetted Parts Material	Flange Material	Duplex SS		Duplex SS	
	35	Capillary Fill Fluid		Silicone oil			
	36	Capillary Material		Stainless Steel (PVC Coated)			
	37	Capillary Type	Length - HP / LP	Armoured		5	m
	38	Flushing Ring / Flushing Connection		Required 1/2" NPT (F) Flushing Connection with Vent & Drain			
	39	Allowable Temperature for Fill Fluid		-20 - 400°C			
OPTIONS	40	Integral Meter	Scale	Required - LCD Type		Configurable in Engg units	
	41	5 Valve Manifold	Connection Size	NA		NA	
	42	Mounting Brackets		SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut			
	43	Lightning / Surge Protection		--			
	44	Manifold Vent / Drain Plug		NA			
COMMUNICATION AND SOFTWARE	45	Communication Type		HART Protocol			
	46	Internal Diagnostics		Yes			
	47	Hand Held Communicator		-			
	48						
PURCHASE	49	Manufacturer	Model	YOKOGAWA		EJX110A-EMSWG-91DDJ/KS2/D3/M01/X2	
	50	Remote Seal Model No : HP		990.27 / KN 2.2 / 5 Mtrs			
	51	Remote Seal Model No : LP		990.27 / KN 2.2 / 5 Mtrs			
	52	Manifold Model No.	Flushing Ring Model No.	NA		--	
	53	Purchase Order No.	Serial No.	191030153		TBA	

Notes: See notes

				INSTRUMENT DATASHEET		 	
0	PK	7/13/2009	ISSUED FOR PURCHASE	DP Level Transmitter			
B	PK	11/27/2008	ISSUED FOR APPROVAL				
A	PK	11/20/2008	ISSUED FOR IDC			Page 107 of 282	
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GENERAL	1	Tag Number	LT -2102-04			
	2	Service	V-2102 TST SEPRTR CONDNSATE LEVEL			
	3	P&ID No.	JI-191-PR-12-2100-10002			
	4	Vessel No.	Vessel Trim	V-2102	CD0	
	5	Mounting	2" Pipe Mounting			
	6	Area Classification	Zone 1 Gr IIA T3			
	7	NACE MR 01-75 / ISO 15156 Compliance	NA			
	8	SIL Certification	Remarks	NA		
	9	Corrosive / Erosive	Upper	Lower	Yes Yes Yes Yes	
PROCESS CONDITIONS	10	Fluid	HC			
	11	Fluid Phase	Gas/Vapor			
	12	Pressure Max.	Nor.	bar-g	85 bar-g	
	13	Temperature Max.	Nor.	°C	55 °C	
	14	Oper. Spec. Gravity	Oper. Viscosity	0.65815	cP	
	15	Design Pressure Min.	Max.	bar-g	93 bar-g	
TRANSMITTER	16	Design Temp. Min.	Max.	-10 °C	88 °C	
	17	Instrument Range	-100 to 100 mbar			
	18	Calibration Range	0 - 55.9 mbar			
	19	Elevation / Supression	Failure Mode	Required	Configurable	
	20	Transmitter Type	Element Type	SMART Type	Diaphragm	
	21	Element Material	Fill Fluid	Hastelloy C-276	Silicone Oil	
	22	Body Material	Body Rating	ASTM CF8M	16 MPa	
	23	Oval Flanges Material	O-Rings Material	--	--	
	24	Bolts & Nuts	Enclosure Material	SS 316	Die Cast Aluminium (Epoxy Coated)	
	25	Process Connection	HP LP	--	--	
	26	Electrical Connection	ISO M20 x1.5 mm - 2 Nos			
	27	Power Supply	Load Resistance	24 VDC, Loop Powered	600 Ohm @ 24 VDC	
	28	Signal Output	4 - 20 mA DC, HART			
	29	Hazardous Area Certification	EEx 'ia' (ATEX) & CE Marking			
	30	Ingress Protection	IP 65			
	DIAPHRAGM SEAL	31	Accuracy	Repeatability	+/- 0.15 to +/- 0.3% of Span	+/- 0.04% of span
		32	Process Connection & Rating	HP LP	Flanged 2", 600# RF	Flanged 2", 600# RF
		33	Process Connection Finish	HP LP	(3.2~6.3 Ra)	(3.2~6.3 Ra)
34		Wetted Parts Material	Flange Material	Duplex SS	Duplex SS	
35		Capillary Fill Fluid	Silicone oil			
36		Capillary Material	Stainless Steel (PVC Coated)			
37		Capillary Type	Length - HP / LP	Armoured	5 m	
38		Flushing Ring / Flushing Connection	Required 1/2" NPT (F) Flushing Connection with Vent & Drain			
OPTIONS	39	Allowable Temperature for Fill Fluid	-20 - 400°C			
	40	Integral Meter	Scale	Required - LCD Type	Configurable in Engg units	
	41	5 Valve Manifold	Connection Size	NA	NA	
	42	Mounting Brackets	SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut			
COMMUNICATION AND SOFTWARE	43	Lightning / Surge Protection	--			
	44	Manifold Vent / Drain Plug	NA			
	45	Communication Type	HART Protocol			
	46	Internal Diagnostics	Yes			
PURCHASE	47	Hand Held Communicator	-			
	48					
	49	Manufacturer	Model	YOKOGAWA	EJX110A-ELS ZG-91DDJ/KS2/D3/M01/X2	
	50	Remote Seal Model No : HP	990.27 / KN 2.2 / 5 Mtrs			
	51	Remote Seal Model No : LP	990.27 / KN 2.2 / 5 Mtrs			
	52	Manifold Model No.	Flushing Ring Model No.	NA	--	
	53	Purchase Order No.	Serial No.	191030153	TBA	

Notes: See notes

				INSTRUMENT DATASHEET			
				DP Level Transmitter			
0	PK	7/13/2009	ISSUED FOR PURCHASE				
B	PK	11/27/2008	ISSUED FOR APPROVAL				
A	PK	11/20/2008	ISSUED FOR IDC				
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GENERAL	1	Tag Number	LT -2102-05	
	2	Service	V-2102 TEST SEPARATOR LEVEL	
	3	P&ID No.	JI-191-PR-12-2100-10002	
	4	Vessel No.	Vessel Trim	V-2102 CD0
	5	Mounting	2" Pipe Mounting	
	6	Area Classification	Zone 1 Gr IIA T3	
	7	NACE MR 01-75 / ISO 15156 Compliance	NA	
	8	SIL Certification	Remarks	NA
	9	Corrosive / Erosive	Upper	Lower
PROCESS CONDITIONS	10	Fluid	HC	
	11	Fluid Phase	Gas/Vapor	
	12	Pressure Max	Nor.	bar-g 85 bar-g
	13	Temperature Max.	Nor.	73 °C 55 °C
	14	Oper. Spec. Gravity	Oper. Viscosity	0.65815 cP
	15	Design Pressure Min.	Max.	bar-g 93 bar-g
	16	Design Temp. Min.	Max.	-10 °C 88 °C
TRANSMITTER	17	Instrument Range	-100 to 100 mbar	
	18	Calibration Range	0 - 55.9 mbar	
	19	Elevation / Suppression	Failure Mode	Required Configurable
	20	Transmitter Type	Element Type	SMART Type Diaphragm
	21	Element Material	Fill Fluid	Hastelloy C-276 Silicone Oil
	22	Body Material	Body Rating	ASTM CF8M 16 MPa
	23	Oval Flanges Material	O-Rings Material	--
	24	Bolts & Nuts	Enclosure Material	SS 316 Die Cast Aluminium (Epoxy Coated)
	25	Process Connection	HP LP	--
	26	Electrical Connection	ISO M20 x1.5 mm - 2 Nos	
	27	Power Supply	Load Resistance	24 VDC, Loop Powered 600 Ohm @ 24 VDC
	28	Signal Output	4 - 20 mA DC, HART	
	29	Hazardous Area Certification	Ex 'ia' (ATEX) & CE Marking	
DIAPHRAGM SEAL	30	Ingress Protection	IP 65	
	31	Accuracy	Repeatability	+/- 0.15 to +/- 0.3% of Span +/- 0.04% of span
	32	Process Connection & Rating	HP LP	Flanged 2", 600# RF Flanged 2", 600# RF
	33	Process Connection Finish	HP LP	(3.2~6.3 Ra) (3.2~6.3 Ra)
	34	Wetted Parts Material	Flange Material	Duplex SS Duplex SS
	35	Capillary Fill Fluid	Silicone oil	
	36	Capillary Material	Stainless Steel (PVC Coated)	
OPTIONS	37	Capillary Type	Length - HP / LP	Armoured 5 m
	38	Flushing Ring / Flushing Connection	Required 1/2" NPT (F) Flushing Connection with Vent & Drain	
	39	Allowable Temperature for Fill Fluid	-20 - 400°C	
	40	Integral Meter	Scale	Required - LCD Type Configurable in Engg units
COMMUNICATION AND SOFTWARE	41	5 Valve Manifold	Connection Size	NA NA
	42	Mounting Brackets	SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut	
	43	Lightning / Surge Protection	--	
	44	Manifold Vent / Drain Plug	NA	
PURCHASE	45	Communication Type	HART Protocol	
	46	Internal Diagnostics	Yes	
	47	Hand Held Communicator	-	
	48			
PURCHASE	49	Manufacturer	Model	YOKOGAWA EJX110A-ELSZG-91DDJ/KS2/D3/M01/X2
	50	Remote Seal Model No : HP	990.27 / KN 2.2 / 5 Mtrs	
	51	Remote Seal Model No : LP	990.27 / KN 2.2 / 5 Mtrs	
	52	Manifold Model No.	Flushing Ring Model No.	NA --
	53	Purchase Order No.	Serial No.	191030153 TBA
Notes: See notes				

INSTRUMENT DATASHEET			
DP Level Transmitter			
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No.	By	Date	Description
0	PK	7/13/2009	ISSUED FOR PURCHASE
B	PK	11/27/2008	ISSUED FOR APPROVAL
A	PK	11/20/2008	ISSUED FOR IDC
Code: 77		Dwg. No.: JI-191-IN-07-2970-10027	
Rev.: 0			

1 Tag Number		LI -2401-10 (5)			
GENERAL	2	Service		F-2401 FILTER COALSCER CATCH POT LEVEL	
	3	P&ID No.		JI-191-PR-12-2400-10002-2	
	4	Vessel No.	Vessel Trim	F-2401 DS0	
	5	Mounting		2" Pipe Mounting	
	6	Area Classification		Zone 1 Gr IIA T3	
	7	NACE MR 01-75 / ISO 15156 Compliance		NA	
	8	SIL Certification	Remarks	SIL 2	
	9	Corrosive / Erosive	Upper	Lower	
	PROCESS CONDITIONS	10	Fluid		HC
11		Fluid Phase		Gas/Vapor	
12		Pressure Max	Nor.	bar-g 81.6 lbar-g	
13		Temperature Max.	Nor.	°C 27 °C	
14		Oper. Spec. Gravity	Oper. Viscosity	1.00099 cP	
15		Design Pressure Min.	Max.	bar-g 93 bar-g	
TRANSMITTER	16	Design Temp. Min.	Max.	-10 °C 82 °C	
	17	Instrument Range		-1000 to 1000 mbar	
	18	Calibration Range		0 - 100 mbar	
	19	Elevation / Supression	Failure Mode	Required Configurable	
	20	Transmitter Type	Element Type	SMART Type Diaphragm	
	21	Element Material	Fill Fluid	Hastelloy C-276 Silicone Oil	
	22	Body Material	Body Rating	ASTM CF8M 25 MPa	
	23	Oval Flanges Material	O-Rings Material	-- --	
	24	Bolts & Nuts	Enclosure Material	SS 316 Die Cast Aluminium (Epoxy Coated)	
	25	Process Connection	HP LP	1/4" NPT (F) on the cover flange 1/4" NPT (F) on the cover flange	
	26	Electrical Connection		ISO M20 x1.5 mm - 2 Nos	
	27	Power Supply	Load Resistance	24 VDC, Loop Powered 600 Ohm @ 24 VDC	
	28	Signal Output		4 - 20 mA DC, HART	
	DIAPHRAGM SEAL	29	Hazardous Area Certification		EEx 'ia' (ATEX) & CE Marking
30		Ingress Protection		IP 65	
31		Accuracy	Repeatability	+/- 0.04% of span +/- 0.04% of span	
32		Process Connection & Rating	HP LP	NA NA	
33		Process Connection Finish	HP LP	NA NA	
34		Wetted Parts Material	Flange Material	NA NA	
35		Capillary Fill Fluid		NA	
36		Capillary Material		NA	
37		Capillary Type	Length - HP / LP	NA NA	
OPTIONS	38	Flushing Ring / Flushing Connection		NA	
	39	Allowable Temperature for Fill Fluid		NA	
	40	Integral Meter	Scale	Required - LCD Type Configurable in Engg units	
	41	5 Valve Manifold	Connection Size	-- --	
COMMUNICATION AND SOFTWARE	42	Mounting Brackets		SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut	
	43	Lightning / Surge Protection		--	
	44	Manifold Vent / Drain Plug		--	
	45	Communication Type		HART Protocol	
PURCHASE	46	Internal Diagnostics		Yes	
	47	Hand Held Communicator		-	
	48				
	49	Manufacturer	Model	YOKOGAWA EJX110A-EMS5G-91DDJ/KS2/D3/M01/T13	
	50	Remote Seal Model No : HP		NA	
	51	Remote Seal Model No : LP		NA	
	52	Manifold Model No.	Flushing Ring Model No.	-- NA	
	53	Purchase Order No.	Serial No.	191030153 TBA	
Notes: See notes					

				INSTRUMENT DATASHEET		 	
				DP Level Transmitter			
0	PK	7/13/2009	ISSUED FOR PURCHASE				
B	PK	11/27/2008	ISSUED FOR APPROVAL				
A	PK	11/20/2008	ISSUED FOR IDC				
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GENERAL	1	Tag Number	LT -2401-13		
	2	Service	F-2401 FILTER GAS COALESCER LEVEL		
	3	P&ID No.	JI-191-PR-12-2400-10002-2		
	4	Vessel No.	Vessel Trim	F-2401	DSO
	5	Mounting	2" Pipe Mounting		
	6	Area Classification	Zone 1 Gr IIA T3		
	7	NACE MR 01-75 / ISO 15156 Compliance	NA		
	8	SIL Certification	Remarks	SIL 2	
	9	Corrosive / Erosive	Upper	Lower	
PROCESS CONDITIONS	10	Fluid	HC		
	11	Fluid Phase	Gas/Vapor		
	12	Pressure Max	Nor.	bar-g	81.6 bar-g
	13	Temperature Max.	Nor.	°C	27 °C
	14	Oper. Spec. Gravity	Oper. Viscosity	1.00099	cP
	15	Design Pressure Min.	Max.	bar-g	93 bar-g
	16	Design Temp. Min.	Max.	-10 °C	82 °C
TRANSMITTER	17	Instrument Range	-100 to 100 mbar		
	18	Calibration Range	0 - 50 mbar		
	19	Elevation / Supression	Failure Mode	Required	Configurable
	20	Transmitter Type	Element Type	SMART Type	Diaphragm
	21	Element Material	Fill Fluid	Hastelloy C-276	Silicone Oil
	22	Body Material	Body Rating	ASTM CF8M	16 MPa
	23	Oval Flanges Material	O-Rings Material	--	--
	24	Bolts & Nuts	Enclosure Material	SS 316	Die Cast Aluminium (Epoxy Coated)
	25	Process Connection	HP LP	1/4" NPT (F) on the cover flange	1/4" NPT (F) on the cover flange
	26	Electrical Connection	ISO M20 x1.5 mm - 2 Nos		
	27	Power Supply	Load Resistance	24 VDC, Loop Powered	600 Ohm @ 24 VDC
	28	Signal Output	4 - 20 mA DC, HART		
	29	Hazardous Area Certification	Ex 'Ia' (ATEX) & CE Marking		
	30	Ingress Protection	IP 65		
DIAPHRAGM SEAL	31	Accuracy	Repeatability	+/- 0.04% of span	+/- 0.04% of span
	32	Process Connection & Rating	HP LP	NA	NA
	33	Process Connection Finish	HP LP	NA	NA
	34	Wetted Parts Material	Flange Material	NA	NA
	35	Capillary Fill Fluid	NA		
	36	Capillary Material	NA		
	37	Capillary Type	Length - HP / LP	NA	NA
	38	Flushing Ring / Flushing Connection	NA		
	39	Allowable Temperature for Fill Fluid	NA		
OPTIONS	40	Integral Meter	Scale	Required - LCD Type	Configurable in Engg units
	41	5 Valve Manifold	Connection Size	--	--
	42	Mounting Brackets	SS316, 2" pipe Universal mounting bracket w/ 'U' clamp & nut		
	43	Lightning / Surge Protection	--		
COMMUNICATION AND SOFTWARE	44	Manifold Vent / Drain Plug	--		
	45	Communication Type	HART Protocol		
	46	Internal Diagnostics	Yes		
	47	Hand Held Communicator	-		
PURCHASE	48				
	49	Manufacturer	Model	YOKOGAWA	EJX110A-ELS5G-91DDJ/KS2/D3/M01/T12
	50	Remote Seal Model No : HP	NA		
	51	Remote Seal Model No : LP	NA		
	52	Manifold Model No.	Flushing Ring Model No.	--	NA
	53	Purchase Order No.	Serial No.	191030153	TBA
Notes: See notes					
				INSTRUMENT DATASHEET	
				DP Level Transmitter	
0	PK	7/13/2009	ISSUED FOR PURCHASE		
B	PK	11/27/2008	ISSUED FOR APPROVAL		
A	PK	11/20/2008	ISSUED FOR IDC		
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SENSING ELEMENT				
Body / Flange type	Traditional			
Process Conn. size	2"	Rating	600#	
End conn termn type	Flange	Style	RF, ASME B16.5	
Body / Flange material	SS 316			
Vent / Drain Material	SS 316			
Capillary tube material	SS 316			
Diaphragm / Wetted Material	SS316			
Fill Fluid Material	Silicone Oil			
HP Seals	Distance	Remote	2 m	
LP Seals	Distance	Remote	4 m	

Am