

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-303	
	2	P & ID Number			
	3	Service		polymer powder	
	4	Equipment Number		M-301	
	5	Vessel size (Length / ID/W)		3150/203	
	6	Projection nozzle length (mm)			
	7	Vessel Material		SS304	
	8	Hazardous Area classification		Zone I	
	9	Ambient Temperature (°C)		0-60	
	10	Wetted part exposed to sour service(Nace MR-01-75)			
PROCESS DATA	11	Fluid	State		polymer powder Solid
	12	Pressure (barg):	Operating	Maximum	0.5 3
	13	Temperature (°C):	Operating	Maximum	100 150
	14	HH/LL (mm)		2520/315	
	15	Specific gravity (Kg/m3)		0.42	
	16	Viscosity (Cp)		bulk powder (solid)	
18	Corrosive Compounds	Toxic Compounds		No Yes	
SENSOR	19	Wetted part material		SS 316	
	20	Insertion length		2650 mm	
	21	Mounting Location		On the vessel top	
	22	Connection Type		flange	
	23	Connection Size	Rating		VTA* / 150# RF
	24	Calibration range		0-2600 mm	
	25	Response time		better than 10 Sec	
	26	Beam angle		VTA	
	27	Blocking distance (Blind zone)		VTA	
28	Cable Entry		-		
TRANSMITTER	29	Output signal		4-20 mA / HART	
	30	Power supply		24 Vdc (Loop powered) (VTA)	
	31	Wire configuration		2 wire	
	32	IP rating		IP 65	
	33	Ex Protection		EExd (flammable proof)	
	34	Mounting Location		Integrated with sensor	
	35	Indicator		Yes	
	36	Min Load of HART (Ω)		250 Ω	
37	Housing Material		Die cast Al.		
38	Electrical Connection		M20 x 1.5 (ISO)		
OPTIONS	39	Local indicator (Receiver)		N/A	
	40	Indication scale		N/A	
	41	Sun shade		Yes	
PURCHASE	42	Purchase Order Number		will be finalized later	
	43	Serial Number		will be finalized later	
	44	Manufacturer		will be finalized later	
	45	Model		Levelflex	
NOTES	* VTA: Vendor to advice				

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-102		
	2	P & ID Number				
	3	Service		Hexane with catalyst powder (10 g/L)		
	4	Equipment Number		D-104		
	5	Vessel size (Length / ID)		600/305 mm		
	6	Projection nozzle length (mm)				
	7	Vessel Material		SS304		
	8	Hazardous Area classification		Zone I		
	9	Ambient Temperature (°C)		0-60		
	10	Wetted part exposed to sour service(Nace MR-01-75)				
PROCESS DATA	11	Fluid	State		Hexane with catalyst powder (10 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	0.5	1
	13	Temperature (°C):	Operating	Maximum	25	30
	14	HH/LL (mm)		344/43		
	15	Specific gravity		671		
	16	Viscosity (Cp)		0.315		
	18	Corrosive Compounds	Toxic Compounds		No	yes
	19	Wetted part material		SS 316		
SENSOR	20	Insertion length		-		
	21	Mounting Location		VTA*		
	22	Connection Type		flange		
	23	Connection Size	Rating		1" or VTA / 150# RF	
	24	Calibration range		700mm		
	25	Response time		better than 10 Sec		
	26	Beam angle		VTA		
	27	Blocking distance (Blind zone)		VTA		
	28	Cable Entry		-		
TRANSMITTER	29	Output signal		4-20 mA / HART		
	30	Power supply		24 Vdc (Loop powered) (VTA)		
	31	Wire configuration		2 wire		
	32	IP rating		IP 65		
	33	Ex Protection		EExd (flammable proof)		
	34	Mounting Location		Integrated with sensor		
	35	Indicator		Yes		
	36	Min Load of HART (Ω)		250 Ω		
	37	Housing Material		Die cast Al.		
	38	Electrical Connection		M20 x 1.5 (ISO)		
OPTIONS	39	Local indicator (Receiver)		N/A		
	40	Indication scale		N/A		
	41	Sun shade		Yes		
PURCHASE	42	Purchase Order Number		will be finalized later		
	43	Serial Number		will be finalized later		
	44	Manufacturer		will be finalized later		
	45	Model		Levelflex		
NOTES	<p>*VTA: Vendor to advice Items 21 and 23 will be better to advice by manufacturer</p>					

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number	LT-201		
	2	P & ID Number			
	3	Service	Hexane with polymer powder (250 g/L)		
	4	Equipment Number	R-201		
	5	Vessel size (Length / ID)	800/478		
	6	Projection nozzle length (mm)			
	7	Vessel Material	SS304		
	8	Hazardous Area classification	Zone I		
	9	Ambient Temperature (° C)	0-60		
	10	Wetted part exposed to sour service(Nace MR-01-75)			
PROCESS DATA	11	Fluid	State	Hexane with polymer powder (250 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	8 10
	13	Temperature (°C):	Operating	Maximum	85 95
	14	HH/LL (mm)	530/62.5		
	15	Specific gravity (Kg/m3)	805		
	16	Viscosity (Cp)	1.4		
SENSOR	18	Corrosive Compounds	Toxic Compounds	No	yes
	19	Wetted part material	SS 316		
	20	Insertion length	-		
	21	Mounting Location	VTA*		
	22	Connection Type	flange		
	23	Connection Size	Rating	1" or VTA / 150# RF	
	24	Calibration range	800mm		
	25	Response time	better than 10 Sec		
	26	Beam angle	VTA		
	27	Blocking distance (Blind zone)	VTA		
TRANSMITTER	28	Cable Entry	-		
	29	Output signal	4-20 mA / HART		
	30	Power supply	24 Vdc (Loop powered) (VTA)		
	31	Wire configuration	2 wire		
	32	IP rating	IP 65		
	33	Ex Protection	EExd (flammable proof)		
	34	Mounting Location	Integrated with sensor		
	35	Indicator	Yes		
	36	Min Load of HART (Ω)	250 Ω		
	37	Housing Material	Die cast Al.		
OPTIONS	38	Electrical Connection	M20 x 1.5 (ISO)		
	39	Local indicator (Receiver)	N/A		
	40	Indication scale	N/A		
	41	Sun shade	Yes		
PURCHASE	42	Purchase Order Number	will be finalized later		
	43	Serial Number	will be finalized later		
	44	Manufacturer	will be finalized later		
	45	Model	Levelflex		
NOTES	* VTA: Vendor to advice Items 21 and 23 will be better to advice by manufacturer				

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-202		
	2	P & ID Number				
	3	Service		Hexane with polymer powder (250 g/L)		
	4	Equipment Number		D-201		
	5	Vessel size (Length / ID)		430/243		
	6	Projection nozzle length (mm)				
	7	Vessel Material		SS304		
	8	Hazardous Area classification		Zone I		
	9	Ambient Temperature (° C)		0-60		
	10	Wetted part exposed to sour service(Nace MR-01-75)				
PROCESS DATA	11	Fluid	State		Hexane with polymer powder (250 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	5	6
	13	Temperature (°C):	Operating	Maximum	60	65
	14	HH/LL (mm)		550/43		
	15	Specific gravity (Kg/m3)		761		
	16	Viscosity (Cp)		0.8		
SENSOR	18	Corrosive Compounds	Toxic Compounds		No	yes
	19	Wetted part material		SS 316		
	20	Insertion length		-		
	21	Mounting Location		VTA*		
	22	Connection Type		flange		
	23	Connection Size	Rating		1" or VTA / 150# RF	
	24	Calibration range		600mm		
	25	Response time		better than 10 Sec		
	26	Beam angle		VTA		
	27	Blocking distance (Blind zone)		VTA		
28	Cable Entry		-			
TRANSMITTER	29	Output signal		4-20 mA / HART		
	30	Power supply		24 Vdc (Loop powered) (VTA)		
	31	Wire configuration		2 wire		
	32	IP rating		IP 65		
	33	Ex Protection		EExd (flammable proof)		
	34	Mounting Location		Integrated with sensor		
	35	Indicator		Yes		
	36	Min Load of HART (Ω)		250 Ω		
37	Housing Material		Die cast Al.			
38	Electrical Connection		M20 x 1.5 (ISO)			
OPTIONS	39	Local indicator (Receiver)		N/A		
	40	Indication scale		N/A		
	41	Sun shade		Yes		
PURCHASE	42	Purchase Order Number		will be finalized later		
	43	Serial Number		will be finalized later		
	44	Manufacturer		will be finalized later		
	45	Model		Levelflex		

NOTES

* VTA: Vendor to advice
Items 21 and 23 will be better to advice by manufacturer

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-203	
	2	P & ID Number			
	3	Service		Hexane with polymer powder (250 g/L)	
	4	Equipment Number		R-202	
	5	Vessel size (Length / ID)		850/478	
	6	Projection nozzle length (mm)		850mm	
	7	Vessel Material		SS304	
	8	Hazardous Area classification		Zone I	
	9	Ambient Temperature (° C)		0-60	
	10	Wetted part exposed to sour service(Nace MR-01-75)			
PROCESS DATA	11	Fluid	State	Hexane with polymer powder (250 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	8
	13	Temperature (°C):	Operating	Maximum	85
	14	HH/LL (mm)		530/62.5	
	15	Specific gravity (Kg/m3)		805	
	16	Viscosity (Cp)		1.4	
SENSOR	18	Corrosive Compounds	Toxic Compounds	No	yes
	19	Wetted part material		SS 316	
	20	Insertion length		-	
	21	Mounting Location		VTA*	
	22	Connection Type		flange	
	23	Connection Size	Rating	1" or VTA / 150# RF	
	24	Calibration range		1000mm	
	25	Response time		better than 10 Sec	
TRANSMITTER	26	Beam angle		VTA	
	27	Blocking distance (Blind zone)		VTA	
	28	Cable Entry		-	
	29	Output signal		4-20 mA / HART	
	30	Power supply		24 Vdc (Loop powered) (VTA)	
	31	Wire configuration		2 wire	
	32	IP rating		IP 65	
	33	Ex Protection		EExd (flammable proof)	
	34	Mounting Location		Integrated with sensor	
	35	Indicator		Yes	
OPTIONS	36	Min Load of HART (Ω)		250 Ω	
	37	Housing Material		Die cast Al.	
	38	Electrical Connection		M20 x 1.5 (ISO)	
	39	Local indicator (Receiver)		N/A	
	40	Indication scale		N/A	
PURCHASE	41	Sun shade		Yes	
	42	Purchase Order Number		will be finalized later	
	43	Serial Number		will be finalized later	
	44	Manufacturer		will be finalized later	
	45	Model		Levelflex	
NOTES	<p>*VTA: Vendor to advice Items 21 and 23 will be better to advice by manufacturer</p>				

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-204	
	2	P & ID Number			
	3	Service		Hexane with polymer powder (250 g/L)	
	4	Equipment Number		D-202	
	5	Vessel size (Length / ID)		550/243	
	6	Projection nozzle length (mm)			
	7	Vessel Material		SS304	
	8	Hazardous Area classification		Zone I	
	9	Ambient Temperature (°C)		0-60	
	10	Wetted part exposed to sour service(Nace MR-01-75)			
PROCESS DATA	11	Fluid	State	Hexane with polymer powder (250 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	5
	13	Temperature (°C):	Operating	Maximum	60
	14	HH/LL (mm)		365/43	
	15	Specific gravity (Kg/m3)		761	
	16	Viscosity (Cp)		0.8	
18	Corrosive Compounds	Toxic Compounds	No	yes	
SENSOR	19	Wetted part material		SS 316	
	20	Insertion length		-	
	21	Mounting Location		VTA*	
	22	Connection Type		flange	
	23	Connection Size	Rating	1" or VTA / 150# RF	
	24	Calibration range		600mm	
	25	Response time		better than 10 Sec	
	26	Beam angle		VTA	
27	Blocking distance (Blind zone)		VTA		
28	Cable Entry		-		
TRANSMITTER	29	Output signal		4-20 mA / HART	
	30	Power supply		24 Vdc (Loop powered) (VTA)	
	31	Wire configuration		2 wire	
	32	IP rating		IP 65	
	33	Ex Protection		EExd (flammable proof)	
	34	Mounting Location		Integrated with sensor	
	35	Indicator		Yes	
	36	Min Load of HART (Ω)		250 Ω	
37	Housing Material		Die cast Al.		
38	Electrical Connection		M20 x 1.5 (ISO)		
OPTIONS	39	Local indicator (Receiver)		N/A	
	40	Indication scale		N/A	
	41	Sun shade		Yes	
PURCHASE	42	Purchase Order Number		will be finalized later	
	43	Serial Number		will be finalized later	
	44	Manufacturer		will be finalized later	
	45	Model		Levelflex	
NOTES	<p>* VTA: Vendor to advice Items 21 and 23 will be better to advice by manufacturer</p>				

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-205		
	2	P & ID Number				
	3	Service		Hexane with polymer powder (250 g/L)		
	4	Equipment Number		D-203		
	5	Vessel size (Length / ID)		850/590		
	6	Projection nozzle length (mm)				
	7	Vessel Material		SS304		
	8	Hazardous Area classification		Zone I		
	9	Ambient Temperature (° C)		0-60		
	10	Wetted part exposed to sour service(Nace MR-01-75)				
PROCESS DATA	11	Fluid	State		Hexane with polymer powder (250 g/L)	Slurry
	12	Pressure (barg):	Operating	Maximum	6	7
	13	Temperature (°C):	Operating	Maximum	60	65
	14	HH/LL (mm)		557/65		
	15	Specific gravity (Kg/m3)		761		
	16	Viscosity (Cp)		0.8		
	18	Corrosive Compounds	Toxic Compounds		No	yes
	19	Wetted part material		SS 316		
SENSOR	20	Insertion length		-		
	21	Mounting Location		VTA*		
	22	Connection Type		flange		
	23	Connection Size	Rating		1" or VTA / 150# RF	
	24	Calibration range		1000mm		
	25	Response time		better than 10 Sec		
	26	Beam angle		VTA		
	27	Blocking distance (Blind zone)		VTA		
	28	Cable Entry		-		
TRANSMITTER	29	Output signal		4-20 mA / HART		
	30	Power supply		24 Vdc (Loop powered) (VTA)		
	31	Wire configuration		2 wire		
	32	IP rating		IP 65		
	33	Ex Protection		EExd (flammable proof)		
	34	Mounting Location		Integrated with sensor		
	35	Indicator		Yes		
	36	Min Load of HART (Ω)		250 Ω		
	37	Housing Material		Die cast Al.		
	38	Electrical Connection		M20 x 1.5 (ISO)		
OPTIONS	39	Local indicator (Receiver)		N/A		
	40	Indication scale		N/A		
	41	Sun shade		Yes		
PURCHASE	42	Purchase Order Number		will be finalized later		
	43	Serial Number		will be finalized later		
	44	Manufacturer		will be finalized later		
	45	Model		Levelflex		

NOTES

* VTA: Vendor to advice

Items 21 and 23 will be better to advice by manufacturer

Datasheet For Level Transmitter (Radar Type)

GENERAL	1	Tag Number		LT-303	
	2	P & ID Number			
	3	Service		polymer powder	
	4	Equipment Number		M-301	
	5	Vessel size (Length / ID/W)		3150/203	
	6	Projection nozzle length (mm)			
	7	Vessel Material		SS304	
	8	Hazardous Area classification		Zone I	
	9	Ambient Temperature (°C)		0-60	
	10	Wetted part exposed to sour service(Nace MR-01-75)			
PROCESS DATA	11	Fluid	State		polymer powder Solid
	12	Pressure (barg):	Operating	Maximum	0.5 3
	13	Temperature (°C):	Operating	Maximum	100 150
	14	HH/LL (mm)		2520/315	
	15	Specific gravity (Kg/m3)		0.42	
	16	Viscosity (Cp)		bulk powder (solid)	
18	Corrosive Compounds	Toxic Compounds		No Yes	
SENSOR	19	Wetted part material		SS 316	
	20	Insertion length		2650 mm	
	21	Mounting Location		On the vessel top	
	22	Connection Type		flange	
	23	Connection Size	Rating		VTA* / 150# RF
	24	Calibration range		0-2600 mm	
	25	Response time		better than 10 Sec	
	26	Beam angle		VTA	
27	Blocking distance (Blind zone)		VTA		
28	Cable Entry		-		
TRANSMITTER	29	Output signal		4-20 mA / HART	
	30	Power supply		24 Vdc (Loop powered) (VTA)	
	31	Wire configuration		2 wire	
	32	IP rating		IP 65	
	33	Ex Protection		EExd (flammable proof)	
	34	Mounting Location		Integrated with sensor	
	35	Indicator		Yes	
	36	Min Load of HART (Ω)		250 Ω	
37	Housing Material		Die cast Al.		
38	Electrical Connection		M20 x 1.5 (ISO)		
OPTIONS	39	Local indicator (Receiver)		N/A	
	40	Indication scale		N/A	
	41	Sun shade		Yes	
PURCHASE	42	Purchase Order Number		will be finalized later	
	43	Serial Number		will be finalized later	
	44	Manufacturer		will be finalized later	
	45	Model		Levelflex	
NOTES	* VTA: Vendor to advice				