



## DATA SHEET ( NivuFlow 7550)

DOC. NO. \_\_\_\_\_ SHEET 1 OF 1

PROJECT :	REV.	DATE	PREP'D	CHECKED	APPROVED
CLIENT :	0				
SITE :	1				
JOB NO. :	2				

GENERAL					
1	TAG NO.				
2	QUANTITY	P&ID NO.			
3	SERVICE				
4	VESSEL NO.				
5	VESSEL DIMENSION (HEIGHT x DIAMETER)(MM)				
6	FUNCTION				
7	ENCLOSURE CLASS (IEC)				
8					

PROCESS CONDITIONS					
9	UPPER FLUID				
10	LOWER FLUID				
11		UNIT			
12	PRESSURE	KG/CM2G			
13	TEMPERATURE	DEG C			
14	HWL	(M)			
15	HEIGHT OF SENSOR	(M)			
16					

SENSOR					
<b>1ST Sensor</b>			POA		
17	MEASUREMENT PRINCIPLE	Ultrasonic transit time			
18	MEASUREMENT FREQUENCY	1MHz			
19	PROTECTION	IP68			
20	STORAGE TEMPERATURE	-30°C to +70°C (-22°F to 158 °F)			
21	OPERATING PRESSURE	MAX. 4 bar			
22	CABLE LENGTH	10~100M			
23	MEASUREMENT RANGE(VELOCITY)	-100cm/s to +600cm/s			
24	NUMBER OF SCANS	Max. 16			
25	BEAM ANGLE TO THE HORIZONTAL	45°			
26	SONIC BEAM ANGLE	±5 degrees			
27	MEASUREMENT RANGE(LEVEL)	0 to 500cm			
28	ZERO POINT DRIFT	Max. 0.75% of final value			
29	MEASUREMENT UNCERTAINTY	< 0.5% of final value			
<b>2ST Sensor</b>			OFR		
30	LEVEL MEASUREMENT PRINCIPLE	Ultrasonic / i-Sensor			
31	LEVEL MEASUREMENT RANGE	0-10m			
32	MEASUREMENT PRINCIPLE	Radar Doppler			
33	PROTECTION	IP68			
34	STORAGE TEMPERATURE	-30°C to +70°C			
35	CABLE LENGTH	10~100M			
36	VELOCITY RANGE	10m/s			
37	MEASUREMENT UNCERTAINTY	Flow velocity in path ±2% of measurement value			

TRANSMITTER					
38	DISPLAY	TFT full graphic color daylight 240 x 360 pixel			
39	POWER SUPPLY	AC100to240V or DC10to35V			
40	WEIGHT	1150g			
41	STORAGE TEMPERATURE	-30°C to +80°C			
42	STORAGE CYCLE	30 seconds to 5 minutes			
43	DATA MEMORY	Internal 1.0 GB			
44	OUTPUTS	2 X 0/4 ~ 20mA			
45	COMMUNICATION	Modbus TCP via networks (LAN/WAN, Internet) Modbus RTU via RS485 or RS232 Internet via Ethernet (in preparation)			

ACCESSORIES					
46	LOCAL INDICATOR				
47	SELF-TEST				
48	SPECIAL CABLE	(M)			
49	CABLE GLAND				
50	MOUNTING BRACKET				

MANUFACTURER					
51	MANUFACTURER	NIVUS KOREA			
52	MODEL NAME.	NivuFlow 7550			

NOTES: