



DATA SHEET (ULTRASONIC LEVEL METER)

DOC. NO. _____ SHEET 1 OF 1

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

GENERAL

1	TAG NO.	DSM			
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

17	MEASUREMENT PRINCIPLE	Ultrasonic Transit time			
18	FREQUENCY	125KHZ / 200KHZ			
19	PROTECTION	IP68			
20	OPERATING TEMP. RANGE	-20 °C ~80 °C			
21	OPERATING PRESSURE	Max. 1Bar			
22	CABLE LENGTH	7 / 15m			
23	MEDIUM CONTACTING MATERIALS	Polyurethane, Sts, PPO GF30			
24	MEASUREMENT RANGE	0 to 200cm			
25	DEAD ZONE	4cm			
26	MOUNTING STANDARD	1" NPT			
27	MEASUREMENT UNCERTAINTY	< ±5 mm			

MATERIAL

28	SENSOR	PPO			
29	WETTED PARTS				
30	HOUSING				
31	FLANGE				

ACCESSORIES

32	LOCAL INDICATOR				
33	SELF-TEST				
34	SPECIAL CABLE	(M)			
35	CABLE GLAND				
36	MOUNTING BRACKET				

MANUFACTURER

37	MANUFACTURER	NIVUS KOREA			
38	MODEL NAME. SENSOR	DSM			
39	TRANSMITTER				

NOTES:

1. Shall be included plant production and Certificate
2. Shall be included Site Calibration.
3. Shall be included Supply Operation & Maintenance Manual.
4. Shall be included Local Panel (Carbon Steel and Powder Coating) & Breaker, Terminal, etc.
5. Shall be included Power & Signal Arresters.
6. Integrated Sensor for Tem. Compensation
7. Display Echo Recoveries, Loop Test mode(Integrated of Simulation Program)