



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.	P-03	P-06	P-10	
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	MEASURING RANGE	0.125 to 3 m	0.3 to 6 m	0.3 to 10 m	
18	RESOLUTION	± 1mm	± 2mm	± 2mm	
19	FREQUENCY	125KHZ	75KHZ	50KHZ	
20	AMBIENT PRESSURE (KS)	-0.5 to + 5.0Bar	-0.5 to + 5.0Bar	-0.5 to + 5.0Bar	
21	OPERATING TEMP. RANGE	-30°C ~ 95°C	-40°C ~ 95°C	-40°C ~ 95°C	
22	BEAM ANGLE	12°	12°	10°	
23	ENCLOSURE	Varox 357(PBT)	Varox 357(PBT)	Varox 357(PBT)	
24	PROTECTION	IP68	IP68	IP68	
25	CABLE LENGTH	5,10,20,30,50m	5,10,20,30,50m	5,10,20,30,50m	

TRANSMITTER

26	POWER SUPPLY	AC 115/230V+5%, 50/60HZ	AC 115/230V+5%, 50/60HZ	AC 115/230V+5%, 50/60HZ	
27	ACCURACY	± 0.25% OF F.S	± 0.25% OF F.S	± 0.25% OF F.S	
28	RATE RESPONSE	Fully Adjustable	Fully Adjustable	Fully Adjustable	
29	WELL MOUNT ENCLOSURE	Polycarbonate	Polycarbonate	Polycarbonate	
30	OPERATING TEMP. RANGE	-20°C ~ 50°C	-20°C ~ 50°C	-20°C ~ 50°C	
31	OUTPUT	0/4 ~ 20mA	0/4 ~ 20mA	0/4 ~ 20mA	
		Relay Output - 2	Relay Output - 2	Relay Output - 2	

MATERIAL

32	SENSOR	Valox 357(PBT)	Valox 357(PBT)	Valox 357(PBT)	
33	WETTED PARTS				
34	HOUSING	valox 357	valox 357	valox 357	
35	FLANGE				

ACCESSORIES

36	LOCAL INDICATOR	YES	YES	YES	
37	SELF-TEST	YES	YES	YES	
38	SPECIAL CABLE (M)	100	100	100	
39	CABLE GLAND	YES	YES	YES	
40	MOUNTING BRACKET	YES	YES	YES	

MANUFACTURER

41	MANUFACTURER	NIVUS KOREA	NIVUS KOREA	NIVUS KOREA	
42	MODEL NAME. SENSOR	P-03	P-06	P-10	
43	TRANSMITTER	NivuMaster L-2	NivuMaster L-2	NivuMaster L-2	

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)