

# HIGH PRECISION CAPACITANCE TYPE WAVE HEIGHT METER



NET-060 detection unit



NET-406 main unit

## Standard Specifications

【Main unit】		
1	Models	NET-401 NET-403 NET-406
2	Channel Numbers	1, 3, 6 channels/unit
3	Measuring mode	x1, x2, x4 ( 3 points manual switchings)
4	Calibration voltage	1, 1/2, 0 (3 points manual switchings)
5	Signal Output Range	0~5 V/F.S or 4~20mA /FS (loaded over 10k Ω)
6	Operating Temperature	0~50°C
7	Power requirement	AC100V~AC115V, 50/60Hz (other AC power sources are available on request)
8	Cable length	30M in standard( expendable up to 100 M )
【Detector】		
1	Models	NET-030,050,060,100,150,200,500
2	Measurement Range	30,50,60,100,150,200,500 cm (You can make choice of the measuring ranges)
3	The full scale variation of the wave height	30 Hz
4	Non-linearity Error	±0.3% of full scale
5	The temperature of the atmosphere environment effect error	±0.05%/°C/F.S.
6	Between two sensors mutual effect error	±0.5%/F.S. (Interval:5 cm)
7	Offering BNC signal output for data logging, and displaying the voltage output.	
8	Sensor was processed by waterproof, which can resist about 50cm water pressure	



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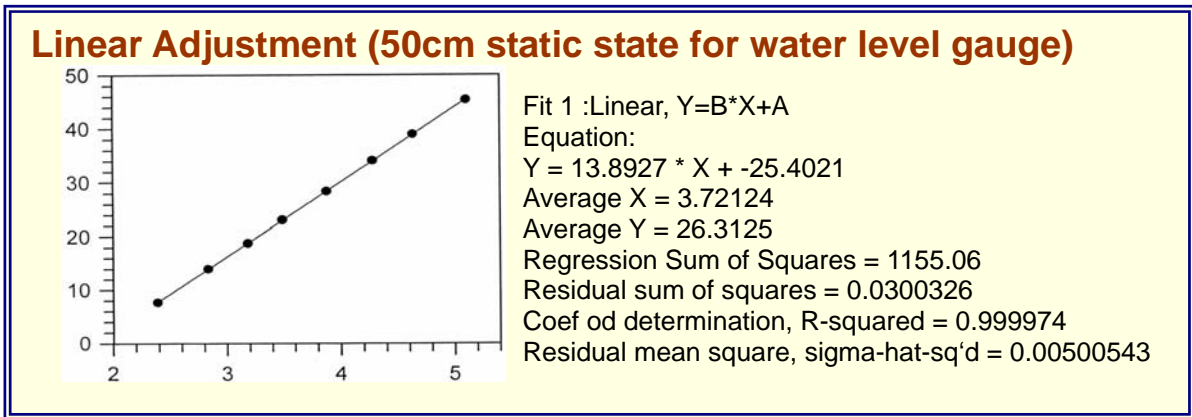
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# Specifications for Data logging System

Data logging system was distributed into software and hardware

<b>【Hardware A/D】 (option )</b>	
1	Have analogy & digital translator whose resolution at least 12 bits. The sampling frequency can be reached to 100k Hz.
2	Offer 16 units differential and 32 units single-ended to input. The analogy signal input port is BNC connector.
3	The voltage input range is including 0~1.25V、0~2.5、0~5V、±5V、0~10V for five options.
4	Precision: 0.01% reading + analogy & digital translator 1LSB in error
5	Voltage: ±30V (D.C) max
<b>【Software】 (option )</b>	
1	Logging software could be operated out of Windows XP、Windows 2000.
2	Each input signal sample/frequency could be reached to 100Hz.
3	Possess of linear adjustment of wave height meter to obtain the relation between water level and voltage and to get R-Squared error
4	It could be recorded the average value of water level for a period to be the zero point.
5	This program could be displayed the original data and timed variation of the water level.
6	It could be controlled over the data logging through the TCP/IP
7	It could be transferred the data logging to the variation of the water level. The output of the form is able to be the ASCII file.
8	You can set the working list to save the measuring data and to rename it.
9	Appendix: The power cord of the host for 2 M、BNC double-headed signal of the transmission line of RG58AU for 1 M、Dust-cloth、The wooden box for sensor (3 units/box)、Instruction



Produce Model	NET-030	NET-050	NET-060	NET-100	NET-150	NET-200	NET-500
Measuring Range	30 cm	50 cm	60 cm	100 cm	150 cm	200 cm	500 cm



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