



# TMD-90 Series

The TMD-90 Turbidity Monitoring Device has been designed specifically for measurement of turbidity (NTU) in water.

The TMD-90 has been constructed using technology of the DECKMA HAMBURG OMD series industrial instruments and 15ppm Bilge Alarm Monitors, that have a specification and performance which exceeds the requirements of the International Maritime Organization specifications for 15ppm Oil-in-Water Monitors contained in Resolution MEPC. 107 (49). The TMD-90 unit is supplied with 2 works-adjusted alarms at 50 NTU. Other set points are possible (e.g. 200 NTU) and can be adjusted on site at any time by using the buttons at the front panel.

## Property

Range\*  
Resolution\*  
Accuracy  
Response time  
Linearity:  
Display:  
Datalogging System:  
Power Supply / Consumption:  
Alarm Points 1, 2:  
Alarm 1 Operating Delay: (for annunciation purpose)  
Alarm 2 Operating Delay: (for control purposes)  
Alarm Indication: (Alarm 1, 2, System Fault)  
Alarm Contact Rating: (Alarm 1, 2,)  
Output Signal:  
Sample Pressure:  
Sample Flow:  
Sample Temperature:  
Ambient Temperature:  
Size: Computer Unit  
Size: Measuring Cell  
Weight:  
Degree of Protection:  
Pipe Connections:

## Value

200 NTU (600 NTU) extended version  
0.1 NTU  
Up to ± 5 NTU below 100 NTU  
< 5s  
better than ± 2 %  
Yellow Graphic Display  
Yes  
24 V AC or DC ± 10% / <5 VA  
Adjustable, (Works adjustment 50 NTU)  
Adjustable between 1 – 540 sec. (Works adjustment 2 sec.)  
Adjustable between 1 – 10 sec. (Works adjustment 10 sec.)  
Red LEDs  
Potential free 1 pole change over contacts, 3 A / 240 V AC  
0 – 20 mA or 4-20 mA selectable, ext. Load < 150 Ω  
0 – 10 bar  
Approx. 0.3 - 3 l/min  
+ 1 to + 65° C  
+ 1 to + 55° C  
185 mm W x 210 mm H x 65 mm D  
140 mm W x 160 mm H x 65 mm D  
2.5 kg  
IP 65  
R ¼" Female

> Technical specifications are subject to change without notification.

[Industry](#)