

The **YD-OMC-2** and **YD-HMC-33** employ CPU for accurate calculation. Thus, these two monitors/controllers are calibration-free except for the error of the sensor itself. They feature high-resistance to disturbance and their flexibility of application in various occasions (refer to the Application table at bottom). They can also be used with other products by YON DON. Simple setup steps and operation instruction.



Function		Model	YD-OMC-2 (above)	YD-HMC-33 (below)
1. Voltage: 110~120V · 50/60 Hz			✓	✓
220~240V · 50/60 Hz or DC12V				
2. Alarm System	Over-high alarm (1-10%), user set		✓	✓
	Over-low alarm (1-10%), user set		✓	✓
	Forewarn system (0~99 min.)		✓	✓
	Power-failure alarm (optional)		✓	✓
	Sensor malfunction alarm		✓	✓
3. Alarm time setting (0~99 min.)			✓	✓
4. Control accuracy: SET±1%			✓	✓
5. Calibration			✓	✓
6. Digital control, numerical LED 0.56" display			✓	✓
7. Control range:			3%~99%	5%~99%
			(Normal range: 21~40%)	(Normal range: 40~90%)
8. Systematic design suitable in various applications			✓	✓
9. Durable and sensitive sensor			✓	✓
10. Dimension: W146mm x H166mm x L88mm			✓	✓
11. Control Valve: W85mm x H65mm x D28mm			✓	
12. Ultrasonic-Nebulizer ¹ YD-UN-201 (Optional)				✓

Note: ¹ During operation, YD-HMC-33 must be accompanied with a mist generator such as YD-UN-201, the Ultrasonic-Nebulizer (Auto Electronic Level Control). YD-UN-201 can be configured together with YD-OMC-2 and YD-HMC-33 (figure on the front page). *The above specification is subject to changes without notice. Figure (Left): Control panel of YD-OMC-2 (above) and HMC-33 (below).

Application	Model	YD-OMC-2	YD-HMC-33
1. Use with infant incubator (risk of infection reduced)		✓	No need to add water for infant incubator
2. Inside oxygen tent or treatment room/case for maintaining desired oxygen and/or humidity level		✓	✓
3. On infant care center and/or with automatic/manual resuscitator system		✓	
4. At experiment laboratory for maintaining constant humidity level and temperature			✓
5. At textile factories or other factories where constant humidity level is needed for quality control and production-line disturbance reduction			✓
6. For organism cultivation		✓	✓
7. For plant nursing			✓
8. For oxygen concentration determination		✓	
9. Use with oxygen head hood		✓	✓
10. Inside oxygen therapy room		✓	

Remark : YD-OMC-2 + YD-HMC-33 +YD-UN-201 will be a full set Atmosphere Monitoring and Controlling System.

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