

Temperature/Humidity Detector - Duct Mount

HDM-KZWS/FZA2



Features

- + Designed for real time detection of temperature and relative humidity inside air ducts
- + Digitally compensated temperature and humidity sensor provides a high accuracy measurement in full range
- + Provide up to 2 analog outputs (4~20mA) for temperature and relative humidity
- + With LCD or without LCD options available
- + Simple and smart probe design incorporates a water-proof but porous membrane for reliable functioning
- + Probe suitable to various air duct systems
- + 24VDC power supply
- + CE-approval

Product Detail

- Real time measurement of temperature and humidity inside the air duct
- High accuracy temperature and relative humidity sensors
- Smart design for easy installation into any air duct
- Water-proof and porous film around the sensor probe
- Independent analog linear outputs for temperature and humidity
- CE-approval

Application

- + Building ventilation control systems
- + Industrial ventilation control systems
- + Airport, train station, shopping mall, office, classroom and other public places for air quality measurement and indication

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Specifications

Parameters	Temperature	Relative Humidity
Sensing element	Independent chip sensors for temperature and humidity measurement	
Measuring range	-20~80°C	0~100%RH
Long term stability	<0.1°C/year	<0.1%RH/year
Accuracy@25°C	±0.5°C	±3%RH
Ingress protection	IP65	
Signal output	4-20mA	4-20mA
Response Time	<10 seconds to reach 63%	

Additional Data, dimensions and approvals	
Operation conditions	-20~80°C; 0~95%RH, non-condensing
Storage conditions	0~50°C / 20~60%RH
Weight	300g
Dimensions	252mm(L)×85mm(W)×85mm(H); Probe length = 197mm
Installation	Duct mount
Housing IP class	PC/ABS, Ingress protection class: IP65
Standard	CE-Approval

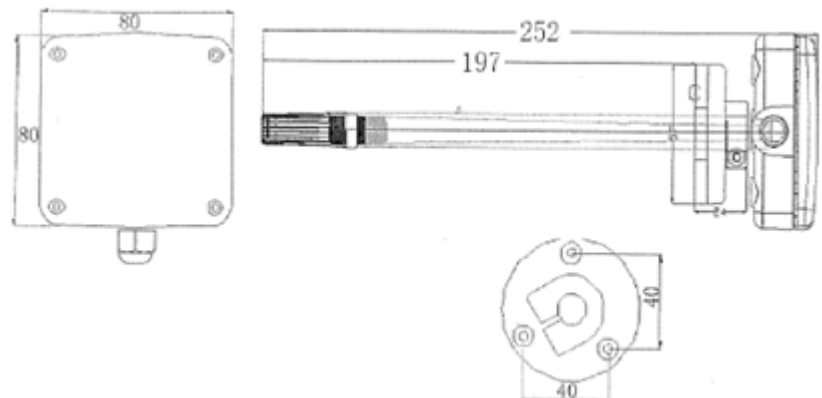
Dimensions and Mounting

Duct mountable

Probe Length: 197.00mm

Probe Diameter: Ø14.00mm

Installation Holes: 40mm



Wiring Diagram

