

IR THERMO-ANEMOMETER WITH BUILT-IN INFRARED THERMOMETER (HOT AIR ANEMOMETER)

Model KM 730 / KM 732 / KM 733



KUSAM-MECO® IRthermo-Anemometer is with built-in non-contact Infrared Thermometer. The IRthermo-Anemometer is the air velocity, air flow (volume), air temperature, and non-contact infrared temperature measuring instrument. To measure the air velocity, put the sensor head face to the measurement air. Then the first reading will show the air velocity value. To measure a temperature, point the meter at a target until the temperature is read. (Make sure the target area is larger than the unit's spot size. For large target object ensure that you are within target distance.)

APPLICATIONS :

- Environmental testing
- Ventilation system
- Refrigerated case
- Fans / motors / blowers
- Far distance temp. Monitor
- Flow hoods
- Air conveyors
- Furnace velocity

FEATURES :

- Simultaneous display of air flow in CFM / CMM or air velocity plus ambient temperatures.
- Combination of hot wire & standard thermister, deliver rapid & precise measurements event at low air velocity.
- Wide range measurement of air velocity, fast response time.
- Multi-functions for air velocity measurement: m/s, km/h, ft/min, knots, mile/h.
- Infrared thermometer measures remote surface temperature to 932°F (500°C) with 8:1 distance to spot ratio and laser pointer.
- USB PC Interface.
- Super large LCD with dual function display, read the air velocity & temperature at the same time.
- Real time data logger, built in clock (hour-min.-sec., Year-month-date).
- Data hold and record / recall maximum, minimum and average reading.
- Ultra low power consumption in shutdown mode.
- Auto power off after 10 minutes (30 Minutes with AC Power)

SAFETY: ●CE Certification ●EN61326: Electrical equipment for measurement, control & laboratory use. ●IEC60825-1:Safety.
 ●IEC61000-4-2 : Electrostatic discharge immunity test. ●IEC61000-4-3 : Radiated, radio-frequency, electromagnetic field immunity test.
 ●IEC61000-4-8 : Power frequency magnetic field immunity test. ●IEC61000-4-3 : Radiated, radio-frequency, electromagnetic field immunity test.

Preliminary Data

ELECTRICAL SPECIFICATIONS : KM 730 / KM 732 / KM 733

Model	KM 730		KM 732		KM 733	
Measurement	Air Velocity : m/s, ft/min, km/h, mile/h, knots; Temperature : °C and °F		Air Velocity : m/s, ft/min, km/h, mile/h, knots; Air Flow :CMM (m ³ / min),CFM (ft ³ /min) temperature: °C and °F		Air Velocity : m/s, ft/min, km/h, mile/h, knots; Air Flow :CMM (m ³ / min),CFM (ft ³ /min) temperature: °C and °F	
Sensor	Air Velocity / Air Flow sensor : Hot wire , Temperature : Thermopile					
Sample Time	Approx. 0.5 sec.					
Operating Temp.	0 ~ 50°C (32 ~ 122°F), 10 ~ 90% RH					
Storage Temp.	-10 ~ 60°C (14 ~ 140 ° F)					
Record Function	Yes (9 points)					
Data Logging	NO		Yes (2000 points)		Yes (2000 points)	
Time Interval	NO		Yes		Yes	
PC interface	NO		USB		USB	
AC Power	Yes					
Multiple LCD Display	Yes					
Max / Min / Avg	Yes					
Auto Power Off	Yes					
LCD Backlight	Yes					
Data Hold	Yes					
Dimensions	184 (L) X 70(W) X 40(H)mm (7.24 X 2.75 X 1.57 inch). Telescope probe : approx. 1800mm (70.8 inch) include wire rod.					
Weight	Approx. 320g (11.3 oz.)				Approx. 310g (10.9 oz.)	
Accessories	9V Battery, Instruction Manual, Carrying case, AC Input (KM732&KM733 include USB Cable, PC interface Window-base software)					
Air velocity	Range	Resolution		Accuracy		
M/s (meter per second)	0.00 ~ 40.00 m/s	0.01 m/s		± (3% + 0.3m/s) of reading		
ft/min (feet per minute)	0.0 ~ 7874.0 ft /min	0.1 ft / min		± (3% + 5.9 ft / min) of reading		
km / h (kilometers per hour)	0.0 ~ 144.00 km / h	0.01 km/h		± (3% + 0.11 km / h) of reading		
mile / h (miles per hour)	0.00 ~ 89.50 mile / h	0.01 mile / h		± (3% + 0.07 mile / h) of reading		
knot (nautical miles per hour)	0.00 ~ 77.75 knot	0.01 knot		± (3% + 0.06 knot) of reading		
Air Flow(KM732/733)	Range	Area Range		Area Resolution		
CMM (m ³ / min)	0.000 ~ 72,000 (m ³ /min)	0.001 ~ 30.000m ²		0.001		
CFM (ft ³ / min)	0.000 ~ 2542.700 (ft ³ / min)	0.01 ~ 322.92 ~ ft ²		0.01		
Air temperature	Range	Resolution		Accuracy		
	0.0 ~ 70.0 0°C (32.0 ~ 158.0°F)	0.1°C (0.1°F)		± 8.0°C (1.5°F)		
Infrared Thermometer	KM 730	KM 732		KM 733		
Range		-32.0 ~ 537.5°C (-25.0 ~ 999.0°F)				
Accuracy	± 3.0°C (± 5.4°F) from -32.0~20.0°C (-25.0 ~ - 4.0 °F); ± 2.0°C (± 3.6°F) from -20.0 ~ 100.0°C (-4.0 ~ 212.0°F) ± 2% from 100.0 ~ 537.0°C (212.0 ~ 999.0°F)					
Resolution	0.1°C (0.1°F)					
Distance / spot Ratio	8 : 1		8 : 1		8 : 1	
Emissivity	0.95 fixed		0.95 fixed		0.10 ~ 1.00 adjust	

All Specifications are subject to change without prior notice.