# Datasheet

## AKTAKOM ATE-9538 Environment Meter



This is an environment instrument, multi-functional, all in one: type K/J thermometer, humidity/temperature meter, anemometer, light meter, sound level meter (optional adapter).

## Features:

- Environment instrument, multi-function, all in one.
- Type K/J thermometer, Humidity/Temperature meter, Anemometer, Light meter, Sound level meter (optional adapter).
- Humidity measurement shows both %RH and Temperature.
- Anemometer can default the display unit to miS, FPM, Km/h, mph, knot.
- Light meter can default the display unit to LUX or Ft-cd.

- Thermocouple Thermometer can default to accept type K or type] Temperature probe.
- Temperature display unit default to °C or °F.
- Meter can default auto power off or manual power off.
- Real time SO memory card Datalogger, it Built-in Clock and Calendar, real time data recorder, sampling time set from 1 second to 3600 seconds.
- Manual data logger is available (set the sampling time to 0), during execute the manual data logger function, it can set the different position (location) No. (Position 1 to position 99).
- Innovation and easy operation, computer is not need to setup extra software, after execute datalogger, just take away the SO card from the meter and plug in the SO card into the computer, it can down load the all the measured value with the time information (year/month/date/ hour/minute/second) to the Excel directly, then user can make the further data or graphic analysis by themselves.
- SD card capacity: 1 GB to 16 GB.
- LCD with green light backlight, easy reading.
- Can default auto power off or manual power off.
- Data hold, record max. and min. reading.
- Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
- RS232/USB PC COMPUTER interface.
- Available for the HVAC applications.

# Specifications:

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|---|---|---|
| Circuit | Custom one-chip of microprocessor LSI circuit. | |
| Display | LCD size: 52 mm x 38 mm<br><br>LCD with green backlight (ON/OFF ). | |
| Measurement Unit | * Type K/J thermometer<br>* Humidity/Temp. meter<br>* Anemometer with Temp.<br>* Light meter<br>* Sound level meter ( optional adapter) | |
| Datalogger Sampling Time Setting range | Auto | 1 second to 3600 seconds<br>@ *For anemometer measurement the sampling time setting value should be ~ 2 seconds.*<br>@ *Sampling time can set to 1 second, but memory data may loss.* |
| | Manual | Push the data logger button once will save data one time.<br>@ *Set the sampling time to*<br>  *O second.*<br>@ *Manual mode, can also select the 1 to 99 position ( Location) no.* |
| Memory Card | SD memory card. 1 GB to 16 GB. | |
| Advanced setting | * Set clock time ( Year/Month/Date, Hour/Minute/ Second)<br>* Decimal point of SO card setting<br>* Auto power OFF management<br>* Set beep Sound ON/OFF<br>* Set thermometer type to Type K or Type]<br>* Set temperature unit to 'C or OF<br>  * Set sampling time | |
| Temperature Compensation | Automatic temp. compensation for the Anemometer function and the type K/J thermometer. | |
| Data Hold | Freeze the display reading. | |
| Memory Recall | Maximum & Minimum value. | |
| Sampling Time of Display | Approx. 1 second. | |
| Data Output | RS 232/USB PC computer interface.<br>* *Conned the optional RS232 cable UPCB-02 will get the RS232 plug.*<br>* *Conned the optional USB cable USB-OJ will get the USB plug.* | |
| Operating Temperature | 0 to 50°C. | |

| Operating Humidity | Less than 85% R.H. | |
|---|---|---|
| Power Supply | * Alkaline or heavy duty DC 1.5 V battery (UM3, AA) x 6 PCs or equivalent. | |
| | * DC 9V adapter input. (AC/DC power adapter is optional ). | |
| Power Current | Normal operation ( w/o SD card save data and LCD Backlight is OFF) : *Approx. DC* 15 *mA.* | |
| | When SD card save the data and LCD Backlight is OFF) : *pprox. DC* 36 *mA.* | |
| Weight | 515 g/ 1.13 LB. | |
| Dimension | Meter | 135 x 60 x 33 mm. |
| | Probe | 105 x 46 x 29 mm. |
| Accessories Included | * Instruction manual ....................... 1 PC<br><br>* Multi-function Probe, EM-91OP ( Anemometer/Light/Humidity ) ..... 1 PC<br><br>* Hard carrying case ( CA-06 ) ......... 1 PC | |