

# KEYTAG KTL-508

...the key to "price-less" data logging.

## Humidity & Temperature Recorder

The KeyTag KTL-508 Humidity & Temperature Recorder measures and stores up to 8000 sets of high resolution humidity and temperature readings over 0 to 100%RH & -40°C to +85°C (-40°F to +185°F) measurement ranges.

Using the KeyTag Interface and KeyTag's freely available companion software KeyTag Analyzer, the KeyTag is easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the ALERT indicator.

Readings are downloaded using KeyTag Analyzer, which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as MS Excel.



KeyTag KTL-508 recorder

## Specifications:

<p><b>Humidity Measurement Range</b></p> <p><b>Temperature Measurement Range</b></p> <p><b>Resolution</b></p> <p><b>Accuracy</b></p>	<p>0 ~ 100%RH but with limitations as detailed in Humidity Measurement Operating and Storage conditions below</p> <p>-40°~+85°C (-40°~+185°F)</p> <p>0.1%RH &amp; 0.1°C/° F</p>
<p><b>Capacity</b></p> <p><b>Sampling frequency</b></p> <p><b>Logging start options</b></p> <p><b>Recording indication</b></p> <p><b>Download Time</b></p> <p><b>Environmental</b></p> <p><b>Power source</b></p> <p><b>Battery life</b></p> <p><b>Size</b></p> <p><b>Weight</b></p> <p><b>Case Material</b></p> <p><b>Other features</b></p>	<div data-bbox="663 1144 943 1413"> <p>Rated Relative Humidity reading accuracy @ 25°C</p> </div> <div data-bbox="959 1144 1254 1413"> <p>Rated temperature reading accuracy</p> </div> <p>8000 pairs of humidity &amp; temperature readings (32Kbytes memory)</p> <p>Adjustable, 30 sec to several hours.</p> <p>Push button start or specific date &amp; time</p> <p>Flashing 'OK' indicator flashing 'Alert' indicator</p> <p>Typically with full memory (8000 pairs of readings) in less than 10 seconds depending on computer or readout device used</p> <p>IP61 (when hung or mounted vertically)</p> <p>3V Lithium battery.</p> <p>2 ~ 3 years of normal use (based on 15 minute logging, download data monthly 86mm(H) x 54.5mm(W) x 8.6mm(T).</p> <p>35 gr.</p> <p>Polycarbonate.</p> <ul style="list-style-type: none"> <li>• Logging start by push button or specific date/time start</li> <li>• Optional clearing of alert indication by push button (places inspection mark at same time)</li> <li>• Inspection mark recorded in KeyTag memory every time KeyTag is downloaded</li> <li>• 'Prestart' fail-safe logging (records temperature data even if not started)</li> <li>• Low Battery indication in software</li> <li>• Comprehensive Alert indicator configuration</li> <li>• Calibration to achieve higher accuracy possible</li> </ul> <p>EC EMC directives (EN 50081-1:1992 &amp; EN 61000-6-1:2001) and FCC Part 15 Subparts A and B</p>
<p><b>EMC Compliances</b></p>	

Note: Resolution & Accuracy are rated values - actual product performance may be substantially better than figures stated.

**KEYLOG RECORDERS**

WWW.KEYLOG.NL

# KEYTAG ACCESSORIES

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## KeyTag Interface Cradles.

KeyTag's unique interface cradle design provides rapid and reliable KeyTag data transfer to KeyTag Analyzer software in only a few seconds. (by far the fastest in its class in the market)

Designed for high levels of use, the KeyTag Interface cradle can sustain many 10000's of insert cycles and gold plated contact design resists the effects of dirt and moisture.

KeyTag software can support multiple interface cradles thereby reducing the processing time of multiple KeyTag download or configuring.

USB drivers are Microsoft WHQL digitally signed and available for download from Windows Update

**Product code KTI-USB** (USB version)

**Product code KTI-232** (RS232 serial version)



## KeyTag Protective Enclosure

The KeyTag Protective Enclosure is specifically designed for use with KeyTag recorder products and allows KeyTags to be used in harsh environments.

The design of the enclosure minimises the effects of thermal lag caused by the additional casing. In general, the enclosure adds about 70% to the reaction time to temperature change for a given environment.

The enclosure's case is made from high impact polycarbonate plastic and is clear to allow viewing of the enclosed recorder's LCD or indicators.

Conservatively rated at IP67 (equivalent to NEMA6).

Supports KTL-108-D(-F), KTL-004, KTL-108, KTL-116, KTL-018-T and KTL-118-T products.

**Product code KTA-PE**

## KeyTag Wall Mount Bracket

The KeyTag Wall Mount Bracket provides an easy and tidy solution to mounting a KeyTag on a wall, door or vertical surface while still allowing easy removal of the KeyTag for download etc.

The Wall Mount Bracket can be used inside coolstores, refrigerators, freezers, shipping containers and many other applications.

Fixing can be by the supplied double coated foam tape which offers very high bond strength on smooth unified surfaces or by optionally fixing with screws.

The Wall Mount Bracket accepts all current KeyTag recorder products including models with remote sensors which can be placed in or removed from the bracket without unplugging the sensor.

Molded in polycarbonate plastic to allow use in a large range of environments.

**Product code KTA-WMB**

