Vaisala HUMICAP®
HMT140 Wi-Fi Data Logger

Outer Casing
IP65 rated enclosure provides total protection from dust and contact and allows device to be sprayed down in applications with demanding cleaning methods.

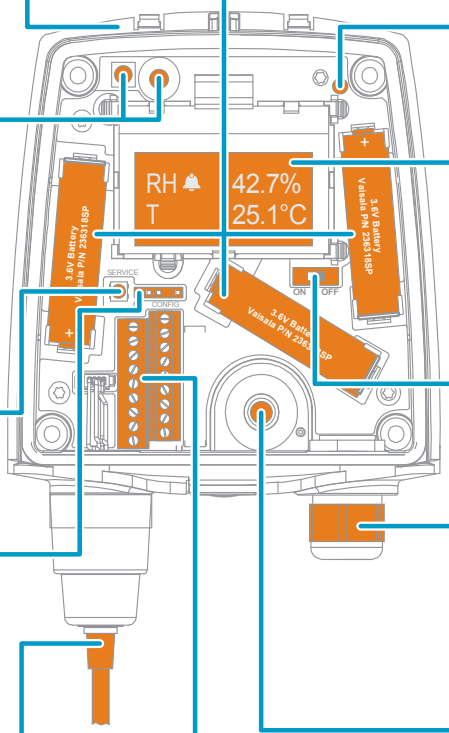
IR Sensor
The infrared sensor detects motion to turn the LCD panel on - this saves on power since the HMT140 only shows its parameters when you need it to. Triggering the sensor also causes the device to send a data packet to the viewLinc monitoring system.
When operating on batteries, the HMT140 sends data every 15 minutes, or when an alarm condition is detected.

Service Button
Allows users to reset the battery counter and forces the internal beeper to an on/off condition. In case you don't want the HMT140 beeping in a quiet lab.

Configuration Header
This is how we configure the device to be set up for Wi-Fi. It allows direct connection to a USB port. Because there's no way to find available networks on this device, as you do with a laptop, the configuration header allows the device to connect to a laptop by USB in order to be configured and connect to the network.

Fixed Probe
Included is the HMP110 Digital RH & Temperature fixed probe, which is field replaceable and contains all calibration details. viewLinc's event log will record any sensor swap-outs, ensuring your audit trail is complete and compliant.

Batteries
The HMT140 uses 3 AA 3.6 volt lithium batteries giving a life of up to 18 months continuous use. These can be replaced by the user with industrial grade lithium batteries.



Channel Wire Terminal
There are 2 available channels for analog inputs accepting RTDs, Voltage, Current, or contacts. There is also an optional 9 - 30 VDC external input to power the unit in place of the batteries.

Status LED
The LED blinks when there's an alarm condition, providing a local, visual, and autonomous alarm that is not reliant upon server uptime to notify personnel of an excursion.

The limits for the sensor are stored locally and the local alarm functions with these limits.

Optional LCD
Displays two channels of almost any parameter you want to measure via digital or analog inputs. Indicates any channel in an alarm state by showing a little alarm bell next to the value.

Power Switch
This enables unit shut down to save power during transport or storage.

Cable Bushing
Cable gland and grommet allows optional external power to be used, which can extend the use of the device beyond its battery life. This can also function as an additional optional wire port within the enclosure.

Cable Grommet
Optional wire port cable gland, cable grommet, or conduit fitting.

Internal Data Storage
(Not shown) This stores data during power outage or network downtime so no data is ever lost. The logger's history is always backfilled to the viewLinc monitoring system.

Want to know more?

See the Quick Start & User Guides at
www.vaisala.com/hmt140
or contact
sales@vaisala.com

VAISALA

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