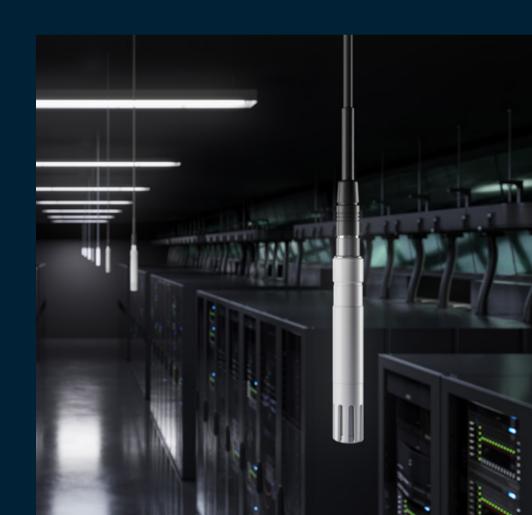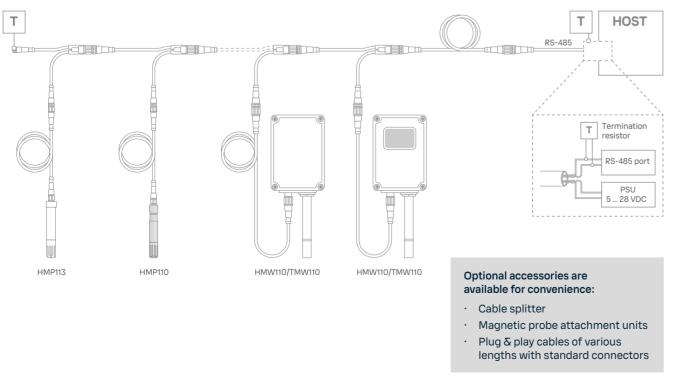# VAISALA

Sensor chain solutions

Brochure

The modular sensor solution for mission critical buildings

When reliability matters, measurements matter. Creating as-designed indoor conditions with minimized energy consumption requires precision and reliability at every piece of the chain.

Vaisala's modular solution takes your measurement system to new levels of flexibility and productivity. To form a modular solution for critical buildings, you can choose between temperature and humidity transmitters with optional displays and miniature measurement probes. Transmitters and measurement probes are easily connected and chained using standard M12 or M8 connectors. Installation is made even easier with optional accessories, including magnetic probe attachment units and plug-and-play cables of various lengths.

What cannot be measured cannot be controlled. Vaisala is a global leader in environmental and industrial measurements. As the trusted provider of measurement instruments, we offer you peace of mind. You can rest assured that our measurement devices will enable the highest precision and reliability for your controlled processes, now and over the years to come.

Sensor Chain Example

HMP113   HMP110   HMW110/TMW110   HMW110/TMW110

HOST

RS-485

T Termination resistor

RS-485 port

PSU 5 … 28 VDC

Optional accessories are available for convenience:

· Cable splitter
· Magnetic probe attachment units
· Plug & play cables of various lengths with standard connectors

HMW110

Humidity and Temperature Transmitter

The wall-mounted high-accuracy transmitter HMW110 is designed for demanding HVAC applications. The device is easy to daisy-chain using the optional M12 connector.

Accuracy ±2% RH, ±0.2 °C (±0.36 °F)
Traceable calibration (certificate included)
Outputs: 4-20 mA (loop powered), Modbus RTU
IP65 enclosure, optional display
Optional M12 connector available
Optional parameters: dew point, wet bulb, enthalpy, absolute humidity, mixing ratio

Read more

TMW110

Temperature Transmitter

The temperature transmitter TMW110 is the perfect choice for sites that benefit from smooth installation. The device is easy to daisy-chain using the optional M12 connector.

Accuracy ±0.2 °C (±0.36 °F)
Traceable calibration (certificate included)
Outputs: 4-20 mA (loop powered), Modbus RTU
IP65 enclosure, optional display
Optional M12 connector available
Durable design, minimized maintenance

Read more

HMP110 | HMP110T

Humidity and Temperature Probe

When the space is limited, the miniature-size measurement probes form a compact solution for critical sites. Probes are connected through Modbus RTU and can be easily daisy-chained.

Accuracy ±1.5% RH, ±0.1 °C (±0.18 °F)
Traceable calibration (certificate included)
Ideal for rough conditions
IP65 metal housing, with M8 connector
High chemical tolerance
Excellent measurement stability
Length 71 mm (2.8 in), diameter 12 mm (0.47 in)

Read more

HMP113

Humidity and Temperature Probe

Along with high accuracy, good stability and excellent reliability, the plastic probes offer fast thermal response time. Probes are easy to daisy-chain and connect to the field bus.

Accuracy ±1.5% RH, ±0.1 °C (±0.18 °F)
Traceable calibration (certificate included)
Fast thermal response time
IP54 plastic enclosure, with M8 connector
High chemical tolerance
Excellent measurement stability
Length 71 mm (2.8 in), diameter 12 mm (0.47 in)

Read more

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