

Technical datasheet

Autonomous Validation Loggers with Contact Docking

Self-contained validation loggers for temperature, temperature/humidity or pressure, programmed and read through a ten-position contact docking station connected by USB.



Representative system components. The image does not establish the supplied number of modules, probes, loggers or docking stations; confirm the quoted delivery list.

Key features

Model-specific temperature, humidity or pressure sensing

Ten-position contact programming and reading

USB docking station with contact-status LEDs

Standard Configuration

Autonomous recording with model-specific sensors and memory. A ten-position docking station provides contact programming/data reading, contact-status LEDs and a USB computer connection. No live radio link is specified.

Optional Accessories

Confirm logger/probe quantities, workstation or acquisition modules, cables, software licence, supported computer/OS and calibration scope in the quotation. No computer, calibration service or regulatory certification is implied.

Technical Information

Parameter	Value
Recording interval	1 s - 18 h

Model	Probe type	Measurement range
PT-VAL-004	Rigid temperature probe	-80-150 °C
PT-VAL-009	Rigid temperature probe	-50-150 °C
PT-VAL-010	Flexible temperature probe	-50-150 °C
PT-VAL-011	Flexible temperature probe	-85-150 °C
PT-VAL-012	Temperature / humidity	-40-125 °C / 0-100% RH
PT-VAL-013	Pressure	0-600 kPa

Technical Information

Model	Sensor accuracy	Display resolution
PT-VAL-004	$\pm 0.1\text{ }^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$
PT-VAL-009	$\pm 0.1\text{ }^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$
PT-VAL-010	$\pm 0.1\text{ }^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$
PT-VAL-011	$\pm 0.1\text{ }^{\circ}\text{C}$	0.01 $^{\circ}\text{C}$
PT-VAL-012	$\pm 0.1\text{ }^{\circ}\text{C}$ / $\pm 2\%$ RH	0.01 $^{\circ}\text{C}$ / 0.01% RH
PT-VAL-013	$\pm 0.1\%$ FS	0.01 kPa

Probe type	Sensor
Rigid temperature probe / Flexible temperature probe	PT1000
Temperature / humidity	PT1000 / capacitive humidity
Pressure	Ceramic strain sensor

Technical Information

Model	Record capacity	Logger body dimensions (mm)	Weight (g)
PT-VAL-004	64000	Ø25 × 50	98
PT-VAL-009	64000	Ø25 × 50	98
PT-VAL-010	64000	Ø25 × 50	98
PT-VAL-011	64000	Ø25 × 50	98
PT-VAL-012	32000 per channel	Ø25 × 70	120
PT-VAL-013	32000	Ø25 × 65	120

Selection / Ordering Information

Specify the PRECETTA model, measurement points, temperature/humidity/pressure range, probe arrangement and recording interval. Confirm sensor accuracy conditions and the complete delivery list.