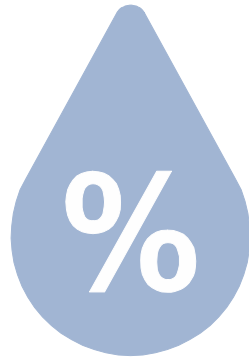


%RH



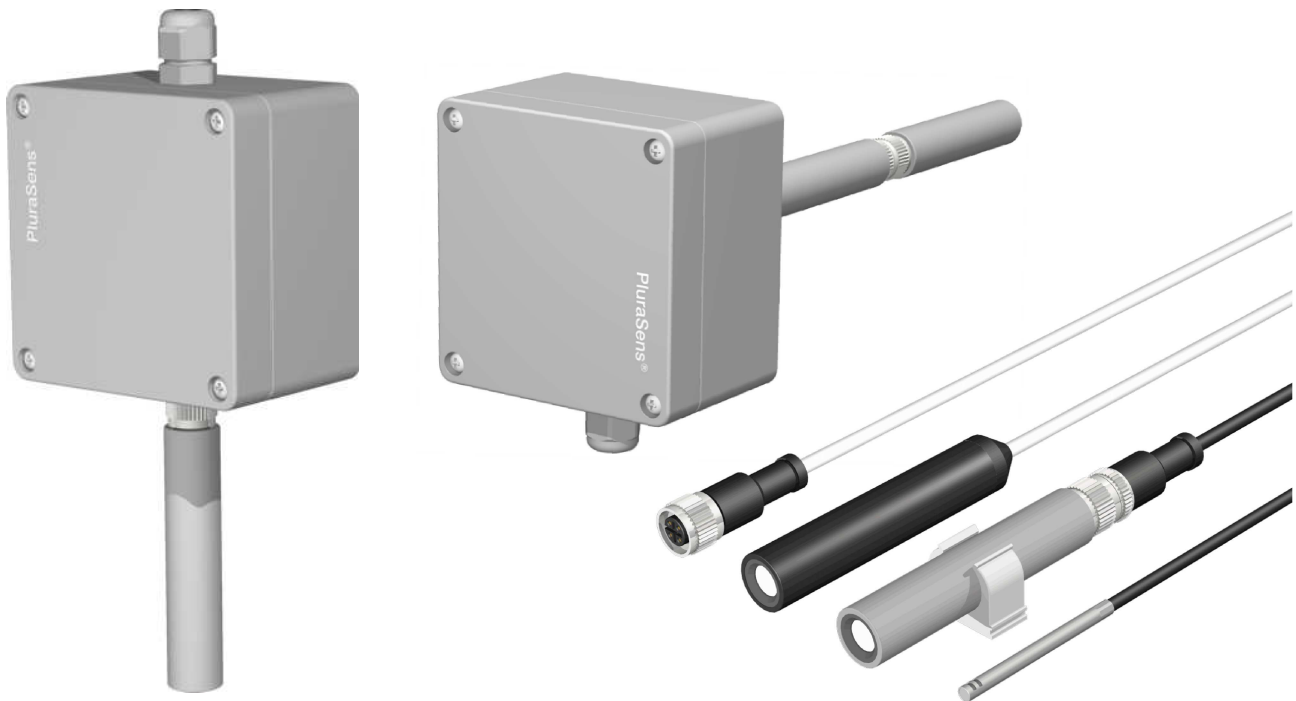
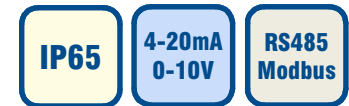
E2200 Family Humidity Transmitters

E2227 Series



- ◆ Compact white wall-mount enclosure for indoors environment
- ◆ Integrated digital sensors with high accuracy and stability
- ◆ Two independent user configurable analog outputs 0-10 V / 4-20 mA
- ◆ RS485 Modbus RTU interface for Fieldbus networking
- ◆ Simple installation, affordable price

E2218 Series



- ◆ Dust- and watertight enclosure for harsh environment
- ◆ Available as wall-mount or duct-mount version and with remote probe
- ◆ Wide operating ranges, high accuracy and long-term stability
- ◆ High temperature probe with fluoroplast cable for up to +125 °C
- ◆ Frontal sensor placement and special dust filter for best protection
- ◆ Miniature Ø4 mm probe option for hard to reach places
- ◆ Two independent user configurable analog outputs 0-10 V / 4-20 mA
- ◆ RS485 Modbus RTU interface for Fieldbus networking
- ◆ Simple installation, competitive price

E2228 Series



- ◆ Dust- and watertight enclosure for harsh environment
- ◆ Available as wall-mount or duct-mount version and with remote probe
- ◆ Wide operating ranges, high accuracy and long-term stability
- ◆ Frontal sensor placement and special dust filter for best protection
- ◆ Miniature Ø4 mm probe option for hard to reach places
- ◆ Two independent user configurable analog outputs 0-10 V / 4-20 mA
- ◆ RS485 Modbus RTU interface for Fieldbus networking
- ◆ Two configurable relays with closing contact
- ◆ Available with 230 VAC or 24 VDC power supply

Applications range


- HVAC / Building Automation controls
- Energy Management Systems (EMS)
- Indoor Air Quality (IAQ)
- Hospitals / labs / clean rooms
- Museums / archives
- Supermarkets
- Swimming pools
- Refrigeration control
- Pharmaceutical
- Food processing
- Food storage
- Greenhouses, mushroom plants
- Animal rooms
- Textile production
- Paper production
- Drying (ceramic, timber, etc)
- Paint Spray Booths



Selected applications

Building Automation, HVAC Systems


Maintaining optimal humidity and temperature while achieving low energy consumption by controlled ventilation, evaporative cooling decision potential, supply air condensation prevention, providing economizer efficiency.

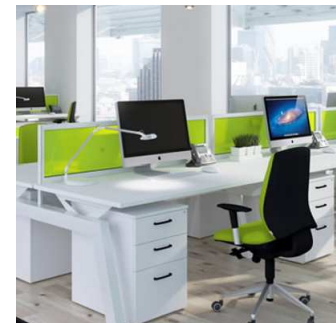
Typical environment	Transmitters and probes	
10...90 %RH		E2218-DM200
0...+50 °C		E2228
Clean air		RP16



Offices, Museums, Hospitals


Maintaining occupant comfort and optimal storage humidity and temperature. Hospitals, museums, clean rooms must monitor and document humidity and temperature conditions.

Typical environment	Transmitters and probes	
25...65 %RH		E2027
+20...+25 °C		E2227
Clean air		



Datacenters, Telecom Rooms


Precise measurement and maintaining proper temperature and humidity levels in the computer rooms to provide maximum system uptime and performance.

Typical environment	Transmitters and probes	
15...65 %RH		E2027
+15...+35 °C		E2227
Clean air		



Building Walls


Testing of humidity and temperature profile in wall and ceiling constructions to provide optimal thermal insulation functions and prevent damage

Typical environment	Transmitters and probes	
10...100 %RH		E2218
-20...+50 °C		E2228
Dust, limited space		RP04



Grain Storage


Maintaining uniform and optimum level of relative humidity and temperature in grain bins to secure lasting grain quality at long term storage

Typical environment	Transmitters and probes	
20...40 %RH		E2218
+10...+20 °C		E2228
Dust		RP16



Timber Kiln Drying

Scheduled temperature and humidity profile has to be maintained for days or weeks to ensure uniform and crack-free lumber drying

Typical environment	Transmitters and probes	
25...100 %RH		E2218
-40...+100 °C		RP16H-2
Dust, aggressive vapors		RP16H-5

