Actual image and size may slightly differ

FEATURES

- Highly accurate Digital technology sensor gives fast and reliable output.
- Relative Humidity range is 0 to 100% RH with accuracy of ±2% RH.
- Long term stable output for Humidity.
- Digital Display of Humidity with its Unit.
- Standard 4-20 mA signal output with configurable range.
- Easy handling & programing with 3 keys for WP models.
- Non- intrusive programing for flameproof models using Magnetic Wand.
- Software calibration for Humidity.
- Compact size, can be easily installed.

APPLICATION

- Clean Rooms
- Swimming Pool
- Hospitals/ Labs
- Enthalpy control
- Museums / Archives
- Refrigeration Control
- Indoor Air Quality (IAQ)
- HAVC /Buildings Control
- Energy Management System (EMS)

TECHNICAL SPECIFICATIONS

General

Detection Method	:	Advance CMOS Sensor Technology.
Range/Resolution	:	For Relative Humidity 0 to 100%RH with 0.1 Resolution
Display	:	2-Line, 4x2 LCD Display
Control Action	:	Two independent Alarm set points for indication purpose.
Setting	:	By 3 keys on front panel for WP model By using Magnetic Wand for flameproof mode

Accuracy & Performance

Accuracy	:	± 2 % RH
RTC	:	± 60 seconds per month
Sampling Interval	:	3 seconds

Electrical

Supply voltage	:	18 to 36 VDC; Typically 24VDC
Power consumption	:	Less than 0.6 Watts
Cable	:	3 wires (1.5 mm²) flexible or armoured shielded cable.

Output Signal

Standard	:	Loop 4-20mA current output with configurable range selection.
Load resistance	:	680 ohm at 24 VDC

Error monitoring

- During Sensor Break/ Open the Display Shows 'OPEN' & Loop current will be as per Upscale/ Downscale
- During Over Range the Display Shows 'OVER' & Loop current will be as per Upscale/ Downscale
- Upscale current = 21mA
- Down scale current = 3.7mA

Environmental

Operating Temp.	:	-15 to +55°C

Accessories

- $C\epsilon$ certified 24 VDC power supply
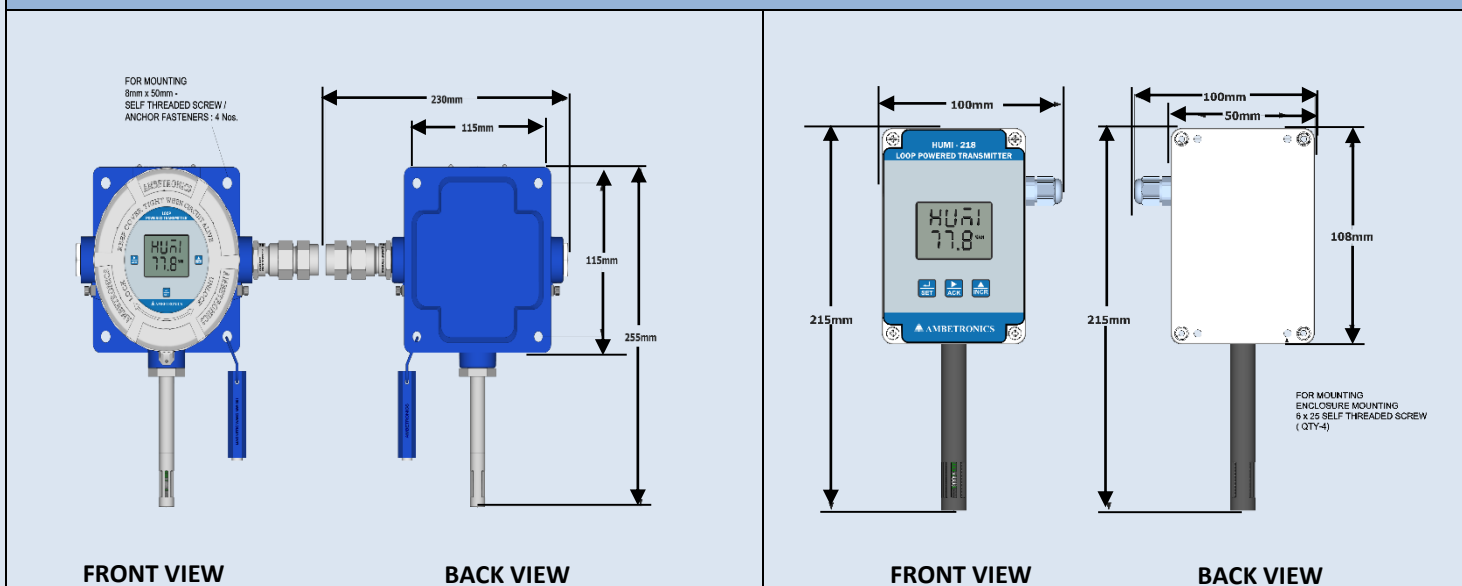
Flameproof Housing

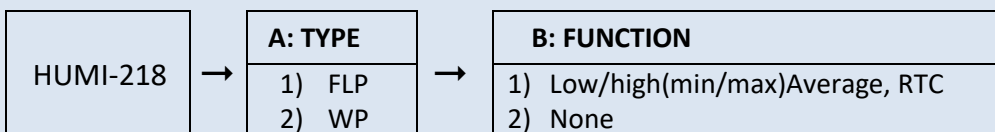|		
Protection class	:	IP-66
Cabinet material	:	Cast aluminium alloy, LM-6
Cable entry	:	Double compression cable gland (EX-proof M20 X 1.5,½ "NPT &¾ " ET-type
Dimension	:	255mm(H) with sensor holder X 230mm(W) with stopper plug &Cable gland X 125 mm(D)
Mounting	:	Wall / Stand / Pipe
Weight	:	Approximately 2.53kg

Weatherproof Housing

Protection class	:	IP-65
Cabinet material	:	Polycarbonate ,Grey Colour
Cable entry	:	Thermoplastic cable gland (IP-68)
Dimension	:	215mm(H) with sensor holder ×100 mm(W)with stopper plug & cable gland ×80 mm(D)
Mounting	:	Wall Mounting/ Stand Mounting
Weight	:	Approximately 300grams

ENCLOSURE DETAILS

FRONT VIEW   **BACK VIEW**   **FRONT VIEW**   **BACK VIEW**

ORDERING INFORMATION

HUMI-218 →	A: TYPE	→	B: FUNCTION
	1) FLP 2) WP		1) Low/high(min/max)Average, RTC 2) None

Specifications may be subject to change without prior notice

Dealers:

Version HUMI-218-FW-R0-01-12-2018