

HMT363 Intrinsically Safe Humidity and Temperature Transmitter

With compact probe

Vaisala HUMICAP®

| | | transmitter unit | | | | probe | | | | PRICE | |
|-----------------------------------|--|--|--------|---|---|-------|--|---|---------------|-------|--|
| | | HMT363 | | | | | | A | | | |
| Transmitter unit | Transmitter type | RH+T <i>RH+T+Td+a+Tw+x</i> | A D | | | | | | | | |
| | Display | no display <i>display on transmitter cover</i> | 1 2 | | | | | | | | |
| | Signal output | 2 analog output channels (Ch1 + Ch2) 4... 20 mA | 2 | | | | | | | | |
| | Analog output signals for Ch1 and Ch2 | no analog output | | A | A | | | | | | |
| | | RH (0... 100%RH) | | B | B | | | | | | |
| | | temperature (choose range in next section) | | C | C | | | | | | |
| | | Td (* (-40... 100 °C) (-40... 212 °F) | | H | H | | | | | | |
| | | a (0... 500g/m3) (0... 218.5 gr/ft3) | | J | J | | | | | | |
| | | Tw (0... 100 °C) (+32... +212 °F) | | K | K | | | | | | |
| | NOTE: | x (0... 500 g/kg d.a) (0... 3500 gr/lb) | | L | L | | | | | | |
| | | - Td, a, Tw and x are only available with transmitter type D | | | | | | | | | |
| | Analog output range for temperature (**) | -20...+80°C (-4...+176°F) | | D | | | | | | | |
| | | -20...+120°C (-4...+248°F) | | E | | | | | | | |
| | | -40...+80°C (-40...+176°F) | | F | | | | | | | |
| | | -40...+120°C (-40...+248°F) | | G | | | | | | | |
| 0...+100°C (+32...+212°F) | | | H | | | | | | | | |
| Output units | metric | | | | 1 | | | | | | |
| | non-metric | | | | 2 | | | | | | |
| Cable bushings | cable gland | | | | | A | | | | | |
| | conduit fitting, 1/2" NPT (for wire conduits) | | | | | B | | | | | |
| Ex certification and issuer | ATEX 100a 94/9/EC (PTB) | | | | | | | | 2 | | |
| | Factory Mutual (USA) | | | | | | | | 4 | | |
| | CSA (Canada) | | | | | | | | 5 | | |
| | SAA (Australia) | | | | | | | | 6 | | |
| | TIIS (Japan) | | | | | | | | 7 | | |
| Operating manual language | no manual | | | | | | | A | | | |
| | English | | | | | | | B | | | |
| Probe cable length max +120°C | 2 m 60mm probe | | | | | | | | B | | |
| | 5 m 60mm probe | | | | | | | | C | | |
| | 10 m 60mm probe | | | | | | | | D | | |
| Humidity sensor type | general purpose (recommended choice) | | | | | | | | HUMICAP180® | 1 | |
| | special sensor for high chemical concentrations (***) | | | | | | | | HUMICAP180L2® | 2 | |
| Space reserved for future options | | | | | | | | A | | | |
| Sensor protection in probe* | PPS plastic grid & stainless steel netting (recommended choice) (16720HMSP) | | | | | | | | | 1 | |
| | PPS plastic grid with PTFE membrane filter (17230HMSP) | | | | | | | | | 5 | |
| Installation kit | no kit | | | | | | | | A | | |
| | <i>duct installation kit</i> | | | | | | | | B | | |
| Ex certification and issuer | ATEX 100a 94/9/EC (PTB) | | | | | | | | | 2 | |
| | Factory Mutual (USA) | | | | | | | | | 4 | |
| | CSA (Canada) | | | | | | | | | 5 | |
| | SAA (Australia) | | | | | | | | | 6 | |
| | TIIS (Japan) | | | | | | | | | 7 | |

(* Output scaling does not necessarily reflect optimum measurement range. Vaisala has dewpoint specific products for measuring low dewpoints (below -10 °C). Please reference dewpoint products or contact Vaisala sales for further questions.

(** If no temperature output is desired, choose D

(*** limited temperature/humidity range

TOTAL
QTY
TOTAL VALUE

RH = Relative Humidity a = Absolute Humidity g/m3
T = Temperature x = Mixing Ratio g/Kg
Td = Dewpoint Temperature Tw = Wet Bulb Temperature

Selections in bold are included in the prices of the basic versions.

Selections in italic are available at an extra price.

Shaded sections indicate typical selections.

Example of order code with typical settings:

HMT363 A 1 2 B C D 2 A 4 B B 1 A 1 A 4

| Additional Accessories: | Description | Order Code: | PRICE |
|-------------------------|--|-------------|-------|
| | Stahl Zener Barrier (active barrier that requires active input) | 210664 | |
| | Vyniker enclosure (enclosure holds 2 barriers) | 210665 | |