



## The HygroFlex series

|  |                                     |  |  |
|--|--|--|---|
| <b>Transmitters</b>                                  | <b>HF1</b>   | <b>HF3</b>   | <b>HF4</b>  |
| Range of application electronics with display option | -20...60 °C<br>-20...60 °C   | -40...60 °C<br>-10...60 °C   | -40...60 °C<br>-10...60 °C  |
| Temperature limits at probe                          | -20...60 °C  | -40...60 °C  | -50...100 °C  |
| Accuracy at 23 °C                                    | <b>Type W &amp; D &amp; F:</b><br>± 2 %rh (10...90 %rh) at ±0.3 K<br><b>Type S:</b><br>± 3 %rh (10...90 %rh) at ±1 K | ±1.5 %rh<br>±0.2 K   | ±1 %rh<br>±0.2 K  |
| <b>Probes</b>  |  |  |   |
| Probe connection                                     | Not interchangeable  | Not interchangeable  | Not interchangeable   |
| <b>Housing</b>                                       |  |  |   |
| Space mount version                                  | ✓  | ✓  |   |
| Wall version   | ✓  | ✓  | ✓   |
| Duct version, 15 mm probe                            | ✓  | ✓  | ✓   |
| Duct version, 25/15 mm probe                         |  |  |   |
| Cable version  |  |  |   |
| Display  | ✓  | ✓  | ✓   |
| Keypad   |  |  | ✓   |
| IP protection  | IP65 (space mount version IP20)  | IP65 (space mount version IP20)  | IP65  |
| <b>Power supply</b>                                  |  |  |   |
| 15...40 VDC / 12...28 VAC                            | ✓  | ✓  | ✓   |
| 15...40 VDC / 12...28 VAC galvanically isolated      |  |  |   |
| 85...240 VAC galvanically isolated                   |  |  |   |
| Power over Ethernet (POE)                            |  |  |   |
| <b>Output</b>  |  |  |   |
| 2 or 2 x 2-wire: current output                      | 2x   | 2x   | 2x  |
| 3/4-wire: current or voltage output                  | 2x   | 2x   | 2x  |
| RS-485   |  |  | ✓   |
| Ethernet   |  |  |   |
| Wireless   |  |  |   |
| Analog and digital signals                           |  |  |   |
| <b>Functions</b>                                     |  |  |   |
| Data logging   |  |  |   |
| Relay  |  |  |   |
| Hygostat / Thermostat                                |  |  |   |
| Beep tone  |  |  |   |
| Analog input   |  |  |   |
| Psychrometric parameters                             |  | Dew/Frost point  | Dew/Frost point   |

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|--|--|------------------------|
|  |  |                        |
| <b>Transmitters</b>                                  | <b>HF5 / HS5</b>   | <b>HF732A</b>          |
| Range of application electronics with display option | -40...60 °C<br>-10...60 °C   | -40...85 °C            |
| Temperature limits at probe                          | Probe dependent  | -100...200 °C (type D) |
| Accuracy at 23 °C                                    | Probe dependent  | ±1 %rh<br>±0.2 K       |
| <b>Probes</b>  |  |                        |
| Probe connection                                     | 1x interchangeable HC2A probe  | Not interchangeable    |
| <b>Housing</b>                                       |  |                        |
| Space mount version                                  |  |                        |
| Wall version   | ✓  |                        |
| Duct version, 15 mm probe                            | ✓  |                        |
| Duct version, 25/15 mm probe                         |  | ✓                      |
| Cable version  |  |                        |
| Display  | ✓  |                        |
| Keypad   | ✓  |                        |
| IP protection  | IP65   | IP65                   |
| <b>Power supply</b>                                  |  |                        |
| 15...40 VDC / 12...28 VAC                            | ✓  | ✓                      |
| 15...40 VDC / 12...28 VAC galvanically isolated      | ✓  |                        |
| 85...240 VAC galvanically isolated                   | ✓  |                        |
| Power over Ethernet (POE)                            |  |                        |
| <b>Output</b>  |  |                        |
| 2 or 2 x 2-wire: current output                      | 2x   |                        |
| 3/4-wire: current or voltage output                  | 2x   | 2x                     |
| RS-485   | ✓  |                        |
| Ethernet   | ✓  |                        |
| Wireless   |  |                        |
| Analog and digital signals                           | ✓  |                        |
| <b>Functions</b>                                     |  |                        |
| Data logging   |  |                        |
| Relay  |  |                        |
| Hygostat / Thermostat                                |  |                        |
| Beep tone  |  |                        |
| Analog input   |  |                        |
| Psychrometric parameters                             | All  | Dew/Frost point        |