



## TECHNICAL SPECIFICATIONS

Device type	II	II	II	AR006274	AR006286	AR006289	AR006291	AR006292
Temperature measuring range - around the device	---	---	-10 to +60 °C	---	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C
Temperature measuring range - surface contact probe	---	---	---	---	---	-10 to +60 °C	---	---
Temperature measuring range - external RH+T probe	---	---	---	-30 to +105 °C	---	---	---	-30 to +105 °C
Accuracy of temperature measurement	---	---	± 0.4 °C	± 0.4 °C	± 0.4 °C	± 0.4 °C	± 0.4 °C	± 0.4 °C
Temperature measuring range - Ni1000/6180 probe *	-50 to +250 °C	-50 to +250 °C	---	---	-50 to +250 °C	---	---	---
Relative humidity measuring range	---	---	5 to 95 %RH	0 to 100 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	0 to 100 %RH
Accuracy of humidity measurement **	---	---	± 2.5 %RH	± 2.5 %RH	± 2.5 %RH	± 2.5 %RH	± 2.5 %RH	± 2.5 %RH
Atmospheric pressure measuring range	---	---	---	---	---	---	800 to 1100 hPa	800 to 1100 hPa
Accuracy of atmospheric pressure measurement at 23 °C	---	---	---	---	---	---	± 2 hPa	± 2 hPa
Dew point temperature measuring range	---	---	-40 to +60 °C	-50 to +80 °C	-40 to +60 °C	-40 to +60 °C	-40 to +60 °C	-50 to +80 °C
Accuracy of dew point temperature measurement ***	---	---	± 1.5 °C	± 1.5 °C	± 1.5 °C	± 1.5 °C	± 1.5 °C	± 1.5 °C
Temperature operating range of the device	-30 to +65 °C	-30 to +65 °C	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C
Relative humidity operating range (without condensation)	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH	5 to 95 %RH
Temperature operating range of the external probe	---	---	---	-30 to +105 °C	---	---	---	-30 to +105 °C
Relative humidity range of the external probe	---	---	---	0 to 100 %RH	---	---	---	0 to 100 %RH
Average current consumption from battery ****	0.08 to 0.3 mA	0.08 to 0.3 mA	0.15 to 0.7 mA	0.15 to 0.7 mA	0.2 to 0.8 mA	0.2 to 0.8 mA	0.3 to 1.3 mA	0.3 to 1.3 mA
Protection class	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Weight without external probe	150 g	150 g	155 g	150 g	155 g	200 g	155 g	150 g
Dimensions [mm]	146 x 71 x 27	146 x 71 x 27	191 x 71 x 27	141 x 71 x 27	191 x 71 x 27	191 x 71 x 39	191 x 71 x 27	141 x 71 x 27

\* Accuracy including supplied probe  
 ± 0.4 °C from -50 to +100°C  
 ± 0.5 % from reading from +100 to +250 °C  
Accuracy of the input (without probe)  
 ± 0.2 °C from -50 to +100°C  
 ± 0.2 % from reading from +100 to +250 °C

\*\* from 5 to 95 %RH at 23 °C

\*\*\* at temperature T < 25 °C and RH > 30 %  
 (for more details see graphs in the manuals)

\*\*\*\* the value of the average current consumption is in the mode of FAST higher than in the mode of the dynamic  
 if you are using external ac/dc adapter 12 Vdc, the internal battery 9V should be replaced with NiMH 9V accumulator

