

# 373 Dew Point Hygrometer

Specifications:	373S	373H	373HX	373L	373LX	373LXHX
<b>Measuring Ranges</b>						
Frost/Dew Point:						
Min./max. expected range of use	-60...20 °C	-60...70 °C	-50...95 °C	-75...20 °C	-95...20 °C	-80...95 °C
Calibrated range	-50...20 °C	-40...70 °C	-40...95 °C	-70...20 °C	-90...20 °C	-75...95 °C
Temperature	-50...100 °C					
Sample pressure	500...2'000 hPa abs.					
<b>Accuracy</b>						
Frost/Dew point (for calibrated range)	≤ ± 0.1 °C					
Temperature	≤ ± 0.07 °C					
<b>Reproducibility</b>						
Frost/Dew point	≤ ± 0.05 °C					
Temperature	≤ ± 0.04 °C					
<b>Standard Features</b>	Digital I/O RS-232 Display 8.4" LCD with color touch screen Mirror cooling 3-stage Peltier thermoelectric Mirror temperature sensors Dual Platinum Resistance Thermometer PRT (Pt-100) External temperature probe Platinum Resistance Thermometer PRT (Pt-100), ø2 x 100 mm Analog outputs Two analog outputs, user programmable, -10...+10 V and 4...20 mA Gas connections 6mm or ¼" Swagelok, VCR Cajon ¼" for L and LX only Sample gas flow rate 0...1 l/min (for 373 L and LX: 0...2 l/min) Sample gas circuit Stainless steel, 316 / 316L, electro polished Transport case Robust custom fit, foam lined, hard-shell case Power cable 2.5 m Operating instructions English Calibration certificate Factory calibration: 5 points FP/DP, 3 points temperature					
Cooling	Air/Water	Air/Water	Air/Water	Refrigeration	Refrigeration	Refrigeration
ORIS	Yes	No	No	Yes	Yes	No
Heated sample gas path	No	80 °C	105 °C	40 °C	40 °C	105 °C
Internal pump	Yes	Yes	Yes	Optional	Optional	Yes
<b>Optional</b>	Pressure upgrades Pressure upgrades to 1 MPa abs. or 2 MPa abs. Calibration upgrade Upgrade to SCS accredited ISO 17025 calibration available Endoscope Measuring head mount endoscopes Vacuum measurement capability Down to 500 hPa					
<b>Additional Information</b>	Compliance CE Compliance Operating condition 15...35 °C, 90 %rh non-condensing Storage conditions -10...50 °C, 90 %rh non-condensing					
Power supply	100...120 VAC / 200...240 VAC, 50/60 (auto-switching)			100...120 VAC, 50/60 Hz or 200...240 VAC, 50/60 Hz		
Power consumption	200 W	300 W	300 W	300 W	500 W	500 W
<b>Weight &amp; Dimensions</b>						
Width	449 mm	449 mm	449 mm	449 mm	520 mm	449 mm
Height	236 mm	236 mm	236 mm	236 mm	255 mm	236 mm
Depth	461 mm	461 mm	461 mm	511 mm	500 mm	511 mm
Weight	20 kg	25 kg	25 kg	35 kg	45 kg	38 kg

373 V2.1 10.2015 We reserve the right to change design or technical data without notice.