373 Dew Point Hygrometer

Specifications:	373S	373H	373HX	373L	373LX	373LXHX
Measuring Ranges						
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.					
Accuracy						
Frost/Dew point (for calibrated range)	≤ ± 0.1 °C					
Temperature	≤ ± 0.07 °C					
Reproducibility						
Frost/Dew point	≤ ± 0.05 °C					
Temperature	≤ ± 0.04 °C					
Standard Features						
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
Optional						
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					
Additional Information						
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
Weight & Dimensions						
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.