

Simex Ltd.

폴란드 북부 그디니아에서 1986년에 설립된 Simex Ltd.는 맞춤형 펄스 및 시간 카운터 제작을 시작으로 장비 설계 및 측정, 제어 장비를 제조하는 산업 자동화 장비 제조업체입니다.

지속적인 프로세스 개선을 통하여 고품질, 환경 우선, 고객의 니즈에 부합하는 제품 개발 등의 성과를 일구었습니다. “산업 제어 및 측정 장비 설계, 제조 및 판매” 부분의 ISO 9001 : 2015 인증을 획득하여 자동 제어 시스템 통합 내에서 서비스를 제공하고 있습니다. 30년의 경험에 의한 유연하고 사용자 친화적인 공정제어를 실현하십시오.



Novasina AG

1958년 스위스 취리히에서 설립된 Novasina AG는 고유한 센서 기술을 보유하고 있어, 온습도 측정 분야에서 독보적인 제조사입니다.

30명의 임직원으로 구성된 Novasina AG는 혁신, 고객중심, 최상의 품질을 모토로 연구실과 식음료 공정의 수분활성도 측정과 클린룸과 같은 환경을 제어하는 온습도계를 생산하고 있습니다.

50년간 온습도 시장을 선도하고 있는 Novasina AG는 세계 유수의 업체들과 협업을 하고 있습니다. Multi-sensor transmitter QuantDat / nSens 시리즈와 수분활성도 측정 기기 LabMaster-aw neo를 만나보십시오.



Environmental monitoring & Control ProSens



Model	QM-100	QM-211	QM-212	QM213
Type of probe	None	Ø 18mm, 40L	Ø 18mm, 90L	Ø 18mm, 145L
Probe parameter	None	Humidity : 0...100% RH Temp. : 30...80°C	Humidity : 0...100% RH Temp. : 30...105°C	Humidity : 0...100% RH Temp. : 50...120°C
No. of inputs	0, 1 or 2 Universal	0 or 1 Universal		



Model	QM-421/422	QM-612-XX-1	QM-612-XX-2	QM-621/622
Type of probe	Ø 12mm, 200/300L	Ø 18mm, 90L	Ø 18mm, 90L, 5 pin M12 connector	Ø 12mm, 200/300L
Probe parameter	Humidity : 0...100% RH Temp. : 40...120°C			
No. of inputs	0 or 1 Universal			

Common Specification	
Display	none or graphic LCD, 128 x 64 points, with backlight
Analog output	active current: operating range 0/4-20 mA (0-24 mA max.); active voltage: operating range 0/1-5V, 0/2-10V (0-11V max.)
Communication interface	RS-485, 8N1 and 8N2, 1200 bit/s ÷ 115200 bit/s, Modbus RTU, not galvanically isolated
Protection class	IP 67 (version without display); IP 65 (version with display)
Case	wall mounted, 120 x 90 x 50 mm, ASA LURAN

QuantaDat nSens



Transmitter	QuantaDat 4 channel multisensor system
Power Supply	24V ±15% AC or DC (galvanic isolated)
Power consumption	Max. ca. 3W
Display	Graphical display with LED backlight, 128 x 64 pixel
Selectable parameter	Humidity; Temperature; Mixing ratio; Water vapour pressure; Dew-point temperature; Specific enthalpy; Absolute humidity
Analogue outputs	4 scalable & adjustable analogue outputs, 0/4...20mA or 0/2...10V
Digital outputs	RS-485 Version with relay : 2 relay contacts, switching power ≤ 50V/2A/60W
Housing material	ABS-Lid blue RAL 5014, bottom grey RAL 7035
Protection class	IP54
Operating temperature	0. to 50 °C
Storage temperature	-10 to +60 °C (non-condensing)
CE/EMC compatibility	Safety : IEC 61010-1:2010 EMC : IEC 61000-6-2:2005, EN 61000-6-2:2005 IEC 61000-6-3:2006+A1:2010, EN 61000-6-3:2007+A1:2011

Probe for transmitter	nSens-HT-ENS / Humidity-Temp. probe	nSens-T-NBS / Temperature probe
Measurement range	Humidity : 0...100% RH Temperature : -20...+80°C	Temperature : -20...+80°C
Accuracy	Humidity : ±0.5% RH to ±2.5% RH Temperature : ±0.1K to ±0.2K	Temperature : ±0.1K to ±0.2K
No. of Calibration points	Humidity : 13 points Temperature : 2 points	Temperature : 2 points
Housing material	PVDF lback	
Sensor protection	nCap-PS polyethylene silver oxide filter	nCap-E plastic protection cap
Operating temperature	-20...+80°C	
Storage temperature	-10 to +60 °C (non-condensing)	

Hygro Maxx



Type	HygroMaxx S (Room)	HygroMaxx R (Duct)	HygroMaxx M (Remote)
Dimension	183 x 110 x 50 mm	183 x 110 x 300 mm	183 x 110 x 50 mm
Measurement range	Humidity : 0...100% RH, Temp. : -20...80°C		
Accuracy	Humidity : ±3.0% RH		
Display resolution	±0.1% RH		
Reproducibility	Humidity : ±0.1% RH, Temp : ±0.1°C		
Operating temp.	Electronics : 0...50°C		
Long term stability	<±0.5% RH / year		
Power supply	24 VDC ±25%		
Output	0/2...10V, 0/4...20mA		

Stat Maxx



Type	StatMaxx S (Room)	StatMaxx R (Duct)	StatMaxx M (Remote)
Dimension	183 x 110 x 50 mm	183 x 110 x 300 mm	183 x 110 x 50 mm
Measurement range	Humidity : 0...100% RH, Temp. : -20...80°C		
Accuracy	Humidity : ±3.0% RH		
Display resolution	±0.1% RH		
Reproducibility	Humidity : ±0.1% RH, Temp : ±0.1°C		
Operating temp.	Electronics : 0...50°C, Sensor : -20...80°C		
Long term stability	<±0.5% RH / year		
Power supply	24 VDC ±20%		
Output	Digital BUS-interface : UMB ver. 1.6 Luff DE (based on RS-485) Relay contact : NO/NC max. 260VAC/2A(ohmic)		

Temp Maxx



Type	TempMaxx
Dimension	183 x 110 x 50 mm
Measurement range	PT/Ni 100 : -50...400°C / PT 1000 : -50...400°C Ni : -50...200°C / Beta Therm : -20...80°C
Accuracy	±0.15%FS
Display resolution	±0.1°C
Sensor break detection	YES (display) : at 2...10V and 4...20mA = per 0 VAC / 0 mA
Repeatability temp.	Depending on probe according to DIN EN 60751 AA, A, B, 1/3B, C
Operating temp.	Electronics : -10...50°C, Sensor : according to spec. -50...400°C
Power supply	18...35 VDC (24 VDC ±25%), 50...100mA
Output	0/2...10V and 0/4...20mA Relay contact : NO/NC max. 260VAC/2A(ohmic)

LabMaster aw neo



	Parameter	
	Water Activity	Temperature
Measurement range	0.0300...1.0000aw	0...60°C
Calibration range	0.0400...1.0000aw	N/A
Resolution	0.0001aw	0.01°C
Accuracy	±0.0030aw within cal. range	±0.10°C
Precision	±0.0020aw within cal. Range	±0.10°C
Repeatability (typ.)	±0.0010aw within cal. Range	N/A
Temp. control	Programmable measurement temperature in the range of 0...60°C	
Calibration points (%RH)	4%, 6%, 11%, 33%, 53%, 58%, 75%, 84%, 90%, 97%, 100%	

LabTouch aw



	Parameter	
	Water Activity	Temperature
Measurement range	0.030...1.000aw	5...45°C
Calibration range	0.110...0.970aw	N/A
Resolution	0.001aw	0.1°C
Accuracy	±0.005aw within cal. Range	±0.1°C
Precision	±0.003aw within cal. Range	±0.1°C
Repeatability (typ.)	±0.002aw within cal. Range	N/A
Temp. control	Programmable measurement temperature in the range of 15...30°C	
Calibration points (%RH)	11%, 33%, 53%, 58%, 75%, 84%, 90%, 97%	

LabSwift aw



	Parameter	
	Water Activity	Temperature
Measurement range	0.030...1.000aw	5...45°C
Calibration range	0.110...0.900aw	N/A
Resolution	0.001aw	0.1°C
Accuracy	±0.010aw within cal. Range	±0.15°C
Precision	±0.003aw within cal. Range	±0.1°C
Repeatability (typ.)	±0.002aw within cal. Range	N/A
Temp. control	No temperature control available	
Calibration points (%RH)	11%, 33%, 53%, 58%, 75%, 84%, 90%	

LabStart aw



	Parameter	
	Water Activity	Temperature
Measurement range	0.03...1.00aw	15...30°C
Calibration range	0.33...0.75aw	N/A
Resolution	0.01aw	0.1°C
Accuracy	±0.03aw within cal. Range	±0.15°C
Precision	±0.01aw within cal. Range	±0.1°C
Repeatability (typ.)	±0.01aw within cal. Range	N/A
Temp. control	No temperature control available	
Calibration points (%RH)	33%, 75%	