



Measure,
Control
and Log Data



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MultiCon

MultiCon = Meter + Controller
+ Recorder + HMI + SCADA in one package



Why Simex?



European Manufacturer with 30 years experience



High Quality products confirmed by ISO Certificate



Professional customer support



Global distribution network

Temperature and humidity measurement

- Accuracy: 0.1% @ 25°C ± one digit / inputs: current, voltage, millivoltage, RTD, thermocouple K, J, E
0.2% @ 25°C ± one digit / inputs: thermocouple N
0.5% @ 25°C ± one digit / inputs: thermocouple S, T, R, B
- Type of universal inputs
 - Current: 0/4...20mA
 - Voltage: 0/1...5V, 0/2...10V, 0...60mV, 0...75mV, 0...100mV, 0...150mV
 - RTD: Pt100, Pt500, Pt1000, measuring range -100°C...600°C
 - Thermocouples: type K: -200...1370°C
type S: -50...1768°C
type J: -210...1200°C
type T: -200...400°C
type N: -200...1300°C
type R: -50...1768°C
type B: -50...1820°C
type E: -200...1000°C

ProSens QM-100

Temperature and humidity measurement
Code: QM-100-00-0



Type of probe	no probe
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	0, 1 or 2 REL outputs (electronic NO)
Power supply	11...36V DC 16...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C

ProSens QM-211

Temperature and humidity measurement
Code: QM-211-00-0



Type of probe	radial, length 40mm, dia. 18mm
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Power supply	11...36V DC 16...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

ProSens QM-212

Temperature and humidity measurement
Code: QM-212-00-0



Type of probe	radial, length 90mm, dia. 18mm
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Power supply	11...36V DC 16...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

ProSens QM-213

Temperature and humidity measurement
Code: QM-213-00-0



Type of probe	radial, length 145mm, dia. 18mm
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	0, 1 or 2 REL outputs (electronic NO)
Power supply	RS-485 / Modbus RTU
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

- 산업자동화 분야에서 30년동안의 경험과 헌신적인 엔지니어링 팀의 수천시간동안의 공동 노력의 결과이다.
- 설계와 제조에는 마이크로세서 및 최신 기술이 포함되어 고품질과 신뢰성을 제공한다.
- 유연하고 사용자 친화적인 프로그래밍은 산업 프로세스 제어를 위한 이상적인 도구이다.
- 최신 산업용 일체형 장치인 프로센스(ProSens)를 보유. 프로센스는 전송, 표시, 측정 및 온도와 습도를 제어 가능하다.

- Simex는 산업 자동화 장비 제조업체 및 공급업체.
- Simex는 온도와 습도를 측정하고 기록하는 두 가지 다른 장치 시스템을 시장에 제공한다.
- Prosens는 transmitter, display, meter 및 controller를 하나의 제품에 포함하는 최신 산업용 장치이다.
- 이 장치는 온도와 습도를 감지하는 최신 기술을 사용하며 -30...+120°C에 이르는 작동온도 범위를 가지고 있다.

ProSens QM-421

Temperature and humidity measurement
Code: QM-421-00-0



Type of probe	axial, L=200 or 300mm, dia. 12mm
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	depends on configuration: (electronic NO) 24V AC/35V DC, max. 200 mA
Power supply	11...36V DQ6...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

ProSens QM-422

Temperature and humidity measurement
Code: QM-422-00-0



Type of probe	axial, L=200 or 300mm, dia. 12mm
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	depends on configuration: (electronic NO) 24V AC/35V DC, max. 200 mA
Power supply	11...36V DQ6...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

ProSens QM-612

Temperature and humidity measurement
Code: QM-612



Type of probe	cable probe L=90mm, dia. 18mm cable or separable probe
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	0, 1 or 2 REL outputs (electronic NO)
Power supply	11...36V DQ6...36V DC (0...10V out.)
Comm. Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

ProSens QM-621 / QM-622

Temperature and humidity measurement

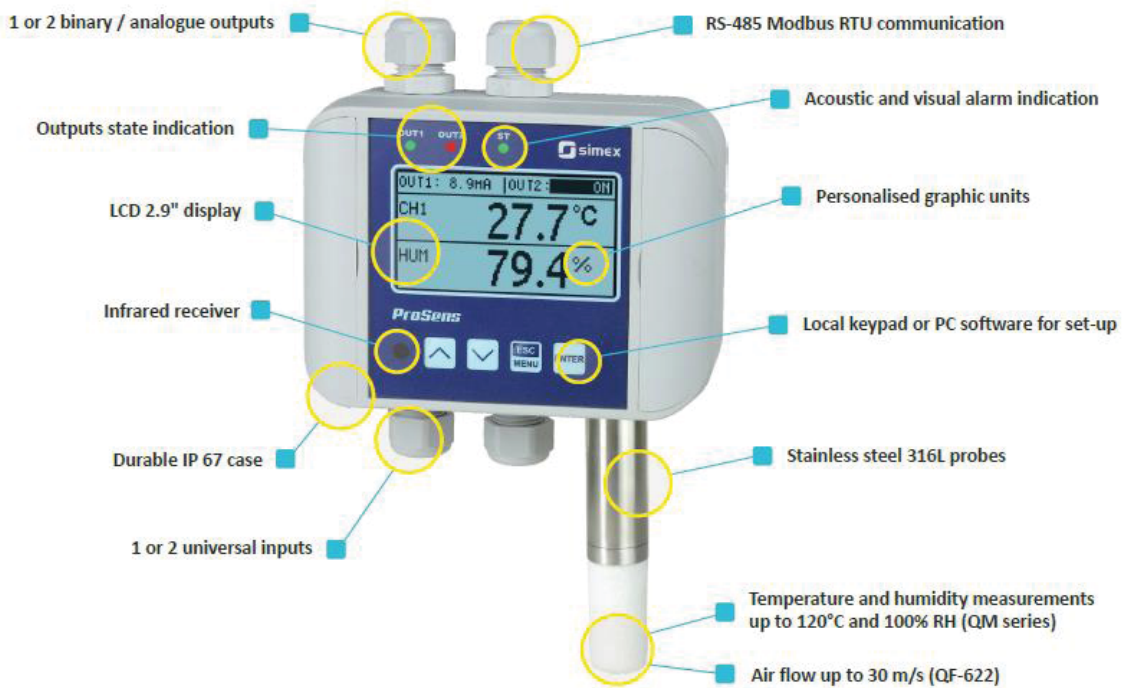


Type of probe	cable probe L=90mm, dia. 18mm cable probe
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	0, 1 or 2 REL outputs (electronic NO)
Power supply	11...36V DQ6...36V DC (0...10V out.)
Comm. Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

Temperature and humidity measurement

- Prosens의 제어 시스템은 식품 가공산업, 박물관, 공장, 창고, 갤러리, HVAC 자동화 등 온도, 습도 및 공기 흐름 센서로 사용될 수 있는 산업 분야가 많다.
- Transmitter, display, meter and controller in one package

Main features



ProSens QM-622

Temperature and humidity measurement
Code: QM-622



Type of probe	temperature or temperature and humidity cable probe
Input range	1 or 2 universal inputs: 0/4-20 mA, 0-10V, 0-150 mV, RTD or TC
Output type	0, 1 or 2 REL outputs (electronic NO)
Power supply	11...36V DC 16...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-30...+80°C, case with electronics

- TRS 시스템은 무료 SimCorder Soft 소프트웨어를 내장한 온습도 측정 장비이다.
- TRS의 주요기능은 온도 및 습도와 관련된 정보를 수집, 기록 및 공유하는 것이다.

TRS-01a

Temperature and humidity measurement
Code: TRS-01a-001



Input type	integrated temperature probe (semiconductor integrated circuit)
Input range	temperature: -40...+85°C
Output type	no output
Power supply	9...12V DC
Interface	RS-485 / Modbus RTU
Operating temp.	-40...+85°C

TRS-02a

Temperature and humidity measurement
Code: TRS-02a-001



Input type	RTD
Input range	Pt100: -50...+550°C
Output type	no output
Power supply	9...12V DC
Interface	RS-485 / Modbus RTU
Operating temp.	-40...+85°C

TRS-04a

Temperature and humidity measurement
Code: TRS-04a-001



Input type	integrated temperature & humidity probe
Input range	humidity: 0...100 % RH temperature: 0...+70°C
Output type	no output
Power supply	9...12V DC
Interface	RS-485 / Modbus RTU
Operating temp.	0...+70°C

TRS-10a

Temperature and humidity measurement
Code: TRS-10a



Input type	no input
Output type	no output
Display	LED, 4 x 9 mm, red
Power supply	9...12V DC
Interface	RS-485 / Modbus RTU
Operating temp.	-40...+85°C

Temperature and humidity measurement

- TRS는 식품산업: 육류, 어류 및 우유가공 공장뿐 아니라 의약품, 화장품 분야에 주로 사용된다.
- 즉, 온도 및 습도를 지속적으로 측정하고 기록하는 것이 중요한 기타분야에 주로 사용된다.
- TRS 시스템은 구매자가 스스로 설치하고 배치할 수 있도록 조립이 용이한 것이 특징이다.

TRS-11a

Temperature and humidity measurement

Code: TRS-11a-001



Input type	integrated temperature probe (semiconductor integrated circuit)
Input range	temperature: -40...+85°C
Output type	no output
Power supply	11...36V DC 16...36V DC (0...10V out.)
Interface	RS-485 / Modbus RTU
Operating temp.	-40...+85°C / -40...+86°C / -40...+87°C

TRS-B1a

Temperature and humidity measurement

Code: TRS-B1a-001



Input type	no input
Output type	no output
Power supply	9...12V DC
Display	no display
Comm. Interface	RS-485 / Modbus RTU
Operating temp.	-40...+85°C

- 모든 장치는 요청에 따라 공장에서 미리 구성할 수 있다.
- 장치 매개 변수는 PC 레벨에서 직접 S-Config 소프트웨어에 의해 설정할 수 있다.
- 많은 기능과 저렴한 가격 덕분에 온도 변화가 유용하거나 필요한 많은 산업 응용 분야에서 사용할 수 있다.

Pt100 -200...+850°C

Thermocouples

K : -230...+1370°C

S : -50...+1760°C

J : -210...+1200°C

T : -200...+400°C

N : -200...+1300°C

R : -50...+1760°C

E : -200...+1000°C

SPT-88

Temperature transmitters

Code: SPT-88



Input type	Pt100 / TC
Input range	Pt100, Thermocouple
Output type	4...20 mA, 2-wire
Power supply	9...30V DC
Accuracy	±0,4%
Operating temp.	-20...+80°C

SPT-61

Temperature transmitters

Code: SPT-61-1315-2-1-001



Input type	RTD
Input range	Pt100, Pt500, Pt1000: -100...+600°C
Output type	4...20 mA: passive current, isolated, operating range 3,4...24 mA max.
Power supply	24V DC
Communication interface	mini USB, USB Virtual Communication Port, RS-232
Operating temp.	0...+50°C

SPT-86L

Temperature transmitters

Code: SPT-86L



Input type	RTD / TC / voltage (mV)
Input range	0...60 mV, 75 mV, 100 mV, 150 mV, etc.
Output type	4...20 mA
Power supply	10...30V DC
Comm. Interface	RS-485 / Modbus RTU
Operating temp.	0...+50°C / -20...+50°C

Data recorders - MultiCon

- MultiCon = Meter + Controller + Recorder + HMI + SCADA in one package
- Linux를 기반으로 한 안정적인 펌웨어
- 컬러 LCD 디스플레이, 터치스크린
- 4 GB internal data memory
- RS-485 (Modbus RTU), USB Host, Ethernet 커뮤니케이션

MultiCon CMC-99

Data recorders

Code : CMC-99



Input type	depends on configuration
Input range	0/4..20 mA, 0/1..5V, 0/2..10V, 0...30V etc.
Output type	8 analogue 4...20 mA max. 16 relay 1A/250V max., 24V DC etc.
Power supply	16...35V AC, 19...50V DC, 85..260VAC/DC
Interface	RS-485 / Modbus RTU, USB Host port, ETU, ACM
Operating temp.	0...+50°C, -20...+50°C

MultiCon CMC-141

Data recorders

Code : CMC-141



Input type	depends on configuration
Input range	0/4..20 mA, 0/1..5V, 0/2..10V, 0...30V etc.
Output type	24 analogue 4...20 mA max. 36 relay 1A/250V max. etc.
Power supply	16...35V AC, 19...50V DC, 85..260VAC/DC
Interface	RS-485 / Modbus RTU, USB Host port, ETU, ACM
Operating temp.	0...+50°C, -20...+50°C

MultiCon CMC-N16

Data recorders

Code : CMC-N16



Input type	4 universal inputs max. etc.
Input range	0/4..20 mA, 0/1..5V, 0/2..10V, 0...30V etc.
Output type	4 analogue 4...20 mA max. 4 relay 1A/250V max.etc.
Power supply	16...35V AC, 19...50V DC, 85..260VAC/DC
Interface	RS-485 / Modbus RTU, ETE, ETEC, ETR, ETRC
Operating temp.	0...+50°C, -20...+50°C

- 멀티채널의 경제적인 데이터로거, MultiLog line
- 포트(port)를 통한 빠른 데이터 전송 : USB Host (USB flash drive), USB PC (wire), RS-485 (Modbus RTU)
- 하얀색 컬러 LCD
- 패널 마운트 버전

MultiLog SRD-99W

Data recorders
Code : SRD-99W



Input type	mA, V, mV, RTD, TC
Input range	0/4..20 mA, 0...60mV, 75mV, 100mV etc.
Output type	electronic relay NO, 24V AC/35V DC max. 200 mA
Power supply	16...35V AC, 19...50V DC, 85..260VAC/DC
Interface	RS-485 / Modbus RTU, USB Host port, USB PC port
Operating temp.	0...+50°C, -20...+50°C

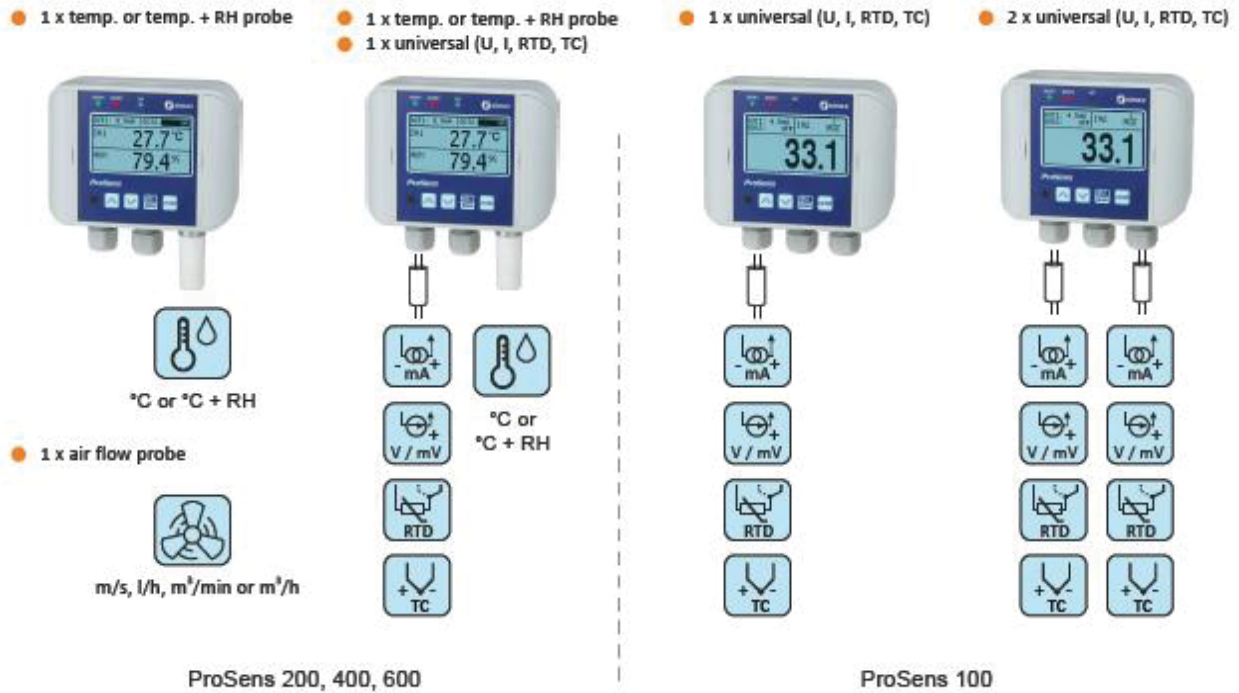
MultiLog SRD-N16W

Data recorders
Code : SRD-N16W



Input type	mA, V, mV, RTD, TC
Input range	0/4..20 mA, -30...80 mV, -50...120 mV etc.
Output type	relay 5A/250V AC (resistance) relay 3A/250V AC (reactance)
Power supply	16...35V AC, 19...50V DC, 85..260VAC/DC
Interface	RS-485 / Modbus RTU, USB Host port
Operating temp.	0...+50°C, -20...+50°C

Inputs configuration



Exemplary outputs configuration

