

Technical data

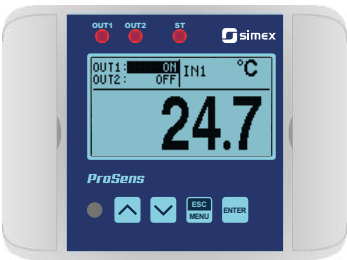


Line	ProSens 100		ProSens 200		ProSens 400	ProSens 600		
Model	QM-100	QM-211	QM-212	QM-213	QM-421 / QM-422	QM-612-XX-1 / QM-612-XX-3	QM-612-XX-2 / QM-612-XX-4	QM-621 / QM-622
Power supply	24V DC (11 ÷ 36V DC), power consumption: 2.5 W max.							
Display	none or graphic LCD, 128 x 64 points, with backlight							
Type of probe	none	radial integrated, length 40 mm, Ø 18 mm, stainless steel 316L, PTFE filter cap	radial integrated, length 90 mm, Ø 18 mm, stainless steel 316L, PTFE filter cap	radial integrated, length 145 mm, Ø 18 mm, stainless steel 316L, PTFE filter cap	axial integrated, L=200 or 300 mm, Ø 12 mm, stainless steel 316L probe and filter cap	cable probe L=90 mm, Ø 18 mm, stainless steel 316L, PTFE filter cap	cable probe L=90 mm, Ø 18 mm, stainless steel 316L, PTFE filter cap	cable probe L=200 or 300 mm, Ø 12 mm, stainless steel 316L probe and filter cap
Probe parameters	none	temp.: measuring range -30 ÷ 80°C, typ.err. ±0.5°C @ -10 ÷ 80°C temp. & humidity: measuring range -30 ÷ 80°C, typ.err. ±0.2°C @ 10 ÷ 60°C (±0.4°C @ -30°C; ±0.7 °C @ 120 °C) ; 0 ÷ 100% RH; typ.err. ±1.8% RH (10 ÷ 90% @ 25°C)	temp.: measuring range -30 ÷ 105°C; typ.err. ±0.5°C @ -10 ÷ 85°C temp. & humidity: measuring range -30 ÷ 105°C; typ.err. ±0.2 °C @ 10 ÷ 60°C (±0.4°C @ -30°C, ±0.7 °C @ 120 °C); 0 ÷ 100% RH; typ.err. ±1.8% RH (10 ÷ 90% @ 25°C)	temp.: measuring range -50 ÷ 120°C; typ.err. ±0.5°C @ -10 ÷ 85°C temp. & humidity: measuring range -40 ÷ 120°C; typ.err. ±0.2 °C @ 10 ÷ 60°C (±0.4°C @ -30°C, ±0.7 °C @ 120 °C); 0 ÷ 100% RH; typ.err. ±1.8% RH (10 ÷ 90% @ 25°C)	temp.: measuring range -50 ÷ 120°C; typ.err. ±0.5°C @ -10 ÷ 80°C temp. & humidity: temp. measuring range -40 ÷ 120°C; typ.err. ±0.2°C @ 10 ÷ 60°C (±0.4°C @ -30°C, ±0.7 °C @ 120 °C); humidity measuring range 0 ÷ 100% RH; typ.err. ±1.8% RH (10 ÷ 90% @ 25°C)			
Connector & cable type	none					gland, cable 3m max., PUR covered, operating temp. -30 ÷ +80°C or TPE covered, operating temp. -30 ÷ +120°C	4 pin M12 connector, cable 3m max., TPU covered, operating temp. -30 ÷ +80°C or TPE covered, operating temp. -30 ÷ +120°C	gland, cable 3m max., PUR covered, operating temp. -30 ÷ +80°C or TPE covered, operating temp. -30 ÷ +120°C
Number of inputs	1 or 2 universal	0 or 1 universal						
Type of universal inputs	current: 0/4-20 mA; voltage: 0/1-5 V, 0/2-10V, 0-60 mV, 0-75 mV, 0-100 mV, 0-150 mV; RTD: Pt100, Pt500, Pt1000, measuring range: -100°C ÷ 600°C; thermocouple: type K, S, J, T, N, R, B, E; measuring ranges: -200°C ÷ +1370°C (K); -50°C ÷ +1768°C (S); -210°C ÷ +1200°C (J); -200°C ÷ +400°C (T); -200°C ÷ +1300°C (N); -50°C ÷ +1768°C (R); +250°C ÷ +1820°C (B); -200°C ÷ +1000°C (E) accuracy: 0.1% @ 25°C ± one digit (inputs: current, voltage, milivoltage, thermoresistance, thermocouple K, J, E); 0.2% @ 25°C (thermocouple N), 0.5% @ 25°C (thermocouple S, T, R, B)							
Binary outputs	0, 1 or 2 electronic NO relays, 24V AC/35V DC, max. 200 mA							
Analogue outputs	0, 1 or 2: active current: operating range 0/4-20 mA (0-24 mA max.); passive current: isolated, operating range 4-20 mA (2.8-24 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							
Operating temperature	-30°C ÷ +80°C, case with electronics (out of range -20 ÷ +70°C LCD and IR receiver turn off)							
Protection class	IP 67 (version without display); IP 65 (version with display)							
Case	wall mounted, 120 x 90 x 50 mm, ASA LURAN							

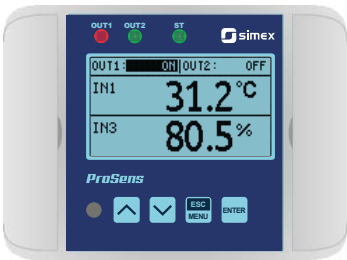
Data presentation



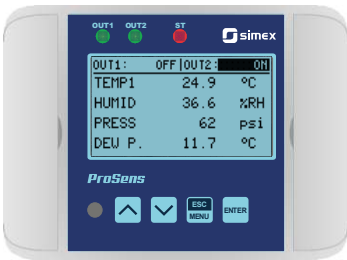
No display version,
LED signalling



One measurement
display mode



Two measurements
display mode



Four measurements
display mode



Menu display mode



Device status information