

Simex Declaration of Accuracy of ProSens series devices

The ProSens line devices are produced using Surface Mounted Device (SMD) assembling technique. Each product has been through complete quality assurance and calibration testing measures. Management system of Simex Ltd. has been found to conform to the Quality Management System standard ISO 9001:2008 for the following scope: design, manufacture and sale of industrial control and measuring equipment and providing services in scope of the integration of automatic control system.

The ProSens line devices (QM-xxx) are rated to the following temperature and humidity specifications.

QM-211: Temperature: range $-30\text{ °C} \div 80\text{ °C}$, error $\pm 0,5\text{ °C @ } -10\text{ °C} \div 80\text{ °C}$
Temperature and humidity: range $-30\text{ °C} \div 80\text{ °C}$, error $\pm 0,2\text{ °C @ } 10\text{ °C} \div 60\text{ °C}$
range $0 \div 100\%$ RH, error $\pm 1,8\%$ RH ($10 \div 90\%$ @ 25 °C)

QM-212: Temperature: range $-30\text{ °C} \div 105\text{ °C}$, error $\pm 0,5\text{ °C @ } -10\text{ °C} \div 85\text{ °C}$
Temperature and humidity: range $-30\text{ °C} \div 105\text{ °C}$, error $\pm 0,2\text{ °C @ } 10\text{ °C} \div 60\text{ °C}$
range $0 \div 100\%$ RH, error $\pm 1,8\%$ RH ($10 \div 90\%$ @ 25 °C)

QM-213: Temperature: range $-50\text{ °C} \div 120\text{ °C}$, error $\pm 0,5\text{ °C @ } -10\text{ °C} \div 85\text{ °C}$
Temperature and humidity: range $-40\text{ °C} \div 120\text{ °C}$, error $\pm 0,2\text{ °C @ } 10\text{ °C} \div 60\text{ °C}$
range $0 \div 100\%$ RH, error $\pm 1,8\%$ RH ($10 \div 90\%$ @ 25 °C)

QM-421/422, Temperature: range $-50\text{ °C} \div 120\text{ °C}$, error $\pm 0,5\text{ °C @ } -10\text{ °C} \div 80\text{ °C}$
QM-612-xx-(1,2), Temperature and humidity: range $-40\text{ °C} \div 120\text{ °C}$, error $\pm 0,2\text{ °C @ } 10\text{ °C} \div 60\text{ °C}$
QM-621/622: range $0 \div 100\%$ RH, error $\pm 1,8\%$ RH ($10 \div 90\%$ @ 25 °C)

Simex ProSens line devices are calibrated for temperature and humidity in Humidity Calibrator S904 produced by Michell Instruments, serial No. 071165, having calibration certificate No. 05931 valid at 20% and 70% RH and are rated $\pm 0,5\text{ °C}$ for temperature sensor and $\pm 1,8\%$ RH, $\pm 0,2\text{ °C @ } 25\text{ °C}$ for temperature and humidity sensor at time of calibration. The ProSens line devices are traceable from production to sales stage.

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