

ClimaCheck

ClimaCheck *onsite*

Performance analysing software

**Reduce energy cost and extend equipment life
of Air Conditioning & Refrigeration equipment.**



Provides the expert with state of the art information to trouble shoot, optimise performance with complete unbiased documentation.

ClimaCheck *onsite* software performance analysers for field measurements is a complete analysing software to analyse refrigeration, air conditioning and heat pump systems. ClimaCheck recommissioning often save 20-30% of energy and reduce failures. ClimaCheck PA Pro III Performance Analysers are available with 0.5-150 A or 5-4000 A current transformers as standard with integrated modem (see separate product information). The platform can be expanded with sensors and templates to measure on virtually any vapour compression process and can also be used together with ClimaCheck *online* internet based monitoring. A complete range of accessories and communication options are available.

ClimaCheck onsite software present the following data and much more in real time after 20-40 minutes "hook up":

- **System Efficiency Index SEI**
- **Capacity/Energy Efficiency/COP (Coefficient of Performance)**
- **Compressor efficiency**
- **Condenser/Evaporator efficiency (inlet/outlet temperatures temperature differences)**
- **Control Functions (at different loads without expensive travel/data collection)**
- **Expansion Valve function (superheat values)**
- **Refrigerant charge/Leakage**

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ClimaCheck *onsite* software is supplied with the most common templates: Standard process, Sub cooler, Desuperheater and suction gas heat exchanger systems. For other systems hundreds of special templates are available for all kinds of designs from plug-in systems till large industrial multi stage systems. ClimaCheck performance analysers can be connected via a Modem, LAN or WiFi to the **ClimaCheck *online*** cloud based servers for commissioning and troubleshooting or to establish baseline for optimisation or retrofits. It is often more cost effective to leave the site and monitor it remotely for the time required to get different load and climate conditions.


ClimaCheck *onsite* is used from cradle to grave in the refrigeration, air-conditioning and heat pump industry:

- Test rigs at manufacturers development and production sites (more than 50 test rigs analysing systems supplied)
- As a commissioning and inspection tool validated by several testing institutes
- Preventive maintenance and trouble shooting
- Energy audits and recommissioning projects
- Pre- and post-retrofits to ensure that money is not wasted on systems that never will be efficient and with those that systems worth retrofit are optimised for the new refrigerants.

ClimaCheck *onsite* software

ClimaCheck information is visualised in flowcharts, graphs, tables, and comprehensive performance reports. Results can be exported to Excel and software can be used to calculate performance from data in Excel or earlier recorded ClimaCheck files. ClimaCheck *online* can also use Modbus to import and export data and results.

The ClimaCheck software offer the perfect flexible analysing tool to document all relevant parameters in a refrigeration system. The information is as detailed as the most advanced test rigs making it possible to in moments check performance and efficiency of all components in the system.

P/N	Standard ClimaCheck <i>onsite</i> PC software - add on		
800 100		Standard Program incl. standard Templates and Data Sources. Special Price together with ClimaCheck Loggers	
800 200		ClimaCheck Software incl. Standard Templates/Data Sources	
800 800		ClimaCheck Software School License	
800 250		ClimaCheck Software Extra License	
800 300	PC special templates Example only (please supply flowchart to get correct template for your plant)	ClimaCheck Template Special Economizer with doc.	
800 310		ClimaCheck Template Special Oil cooler with doc.	
800 320		ClimaCheck Template Special 2-stage with doc.	
800 330		ClimaCheck Template Special ECO+oilcool with doc.	
800 340		ClimaCheck Template Special 2-stage+oil cool with doc.	
800 350		ClimaCheck Template Special 2 circuit system	
800 360		ClimaCheck Template Special CO2 super critical	
800 365		ClimaCheck Template Special CO2 sub critical	
700 600		ClimaCheck <i>online</i> cloud services for portable systems	Web service configuration/flow chart
700 710			12 months ClimaCheck <i>online</i> services for portable