

## ClimaCheck onsite

### Performance analysing software

**Offer professional maintenance and troubleshooting to reduce customers energy cost for Air Conditioning, Refrigeration and Heat Pumps.**



### Unbiased state-of-the-art information for troubleshooting and optimisation

**ClimaCheck onsite with PA Pro III** is available with 0.5-150 A and 5-4000 A current transformers and integrated modem (details in separate document). Thanks to this it is possible to connect the ClimaCheck hardware directly to **ClimaCheck online**, to access performance analysis online. A complete range of accessories and communication options are available to measure on virtually any vapor compression process. Connecting the system takes 20-40 minutes. ClimaCheck recommissioning often saves 20-30% of energy consumption and reduces failures.

**ClimaCheck onsite software version 6** is a complete performance analysing tool for refrigeration, air conditioning and heat pump systems, that document all the necessary information. You get all the Key Performance Indicators (KPI) you need for troubleshooting and optimisation. Available information:

- **System Efficiency Index - SEI Dashboard**
- **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**


**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 to large industrial multistage systems. ClimaCheck onsite 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. Leaving the system on at the site is a cost-effective way to monitor it remotely for the time required to get different load and climate conditions.

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

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

The **ClimaCheck onsite software** analyse performance which 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 onsite software is Modbus capable to import and export data and results.

The onsite software offers 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 onsite PC software version 6 - add on	
800 102		Standard Program incl. standard Templates and Data Sources. Special Price together with ClimaCheck Loggers
800 202		ClimaCheck Software incl. Standard Templates/Data Sources
800 800		ClimaCheck Software School License
800 252		ClimaCheck Software Extra License
800 310	PC special templates Example only (please supply flowchart to get correct template for your plant)	ClimaCheck Template Special Oil cooler
800 311		ClimaCheck Template Special 2 circuit
800 321		ClimaCheck Template Special Economiser (HEX)
800 330		ClimaCheck Template Special Economiser (HEX) with oil cool
800 332		ClimaCheck Template Special Open economiser
800 331		ClimaCheck Template Special Open economiser with oil cool
800 338		ClimaCheck Template Special Rack with 3 compressors
800 360		ClimaCheck Template Special CO2 trans-critical
<b>ClimaCheck online cloud services for portable systems</b>		
700 600		Web service configuration/flow chart
700 710		12 months ClimaCheck online services for portable

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Know the performance - maximise the efficiency

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