SKF lubrication control centres ST-1340 and ST-1440

for single-, dual-line and progressive lubrication systems

SKF ST-1340

SKF ST-1440

The SKF control centres can be used in SKF MonoFlex, SKF DuoFlex and SKF ProFlex lubrication systems for controlling up to 14 separate lubrication channels, each having independent lubrication parameters and/or lubricants.

The models ST-1340 and ST-1440

The features of both control centres are identical except for case size and the maximum count of lubrication channels.

SKF ST-1340/ST-1440 supports any combination of SKF MonoFlex, SKF DuoFlex and SKF ProFlex systems.

The lubrication channels can be zones, separated by shut-off valves, or complete lubrication systems with separate pumping centres and lubricants. Configuration can be set in the field by the user interface.

Pressure switches, pressure transmitters or piston detectors can be used in any of the lubrication channels.

SKF ST-1340/ ST-1440 also supports:

- SKF Online 1440 control software
- SKF Doser monitors
- Automatic pump change (dualset)
- Grease spraying control with air monitoring
- Special applications

Description	ST-1340	ST-1440
Lubrication channels max	5	14
Casing (w x h x d)	600x380x210 mm	600x600x210 mm
Color	painted (RAL 7035)	painted (RAL 7035)
Weight	18 kg	25 kg
Operation temperature	0 to +60 °C	
Operating voltage range	93 to 132 VAC, 186 to 264VAC	
Operating voltage frequency	47 to 63 Hz	
Operating current	5,4A/115VAC, 2,2A/ 230VAC	
Fuse	Automatic fuse, 6A	
Cable connections	Screw terminals for 2.5mm^2 wires	
Protection class	IP 65	
EMC standards	EN61000-6-4, EN61000-6-2	
Electrical safety standards	EN61010-1 Power supply according to EN60950	
Interfaces	Alphanumeric keypad and display , 4x20 characters RS-422 Modbus port for SKF Online1440 software Optional SMS control feature	

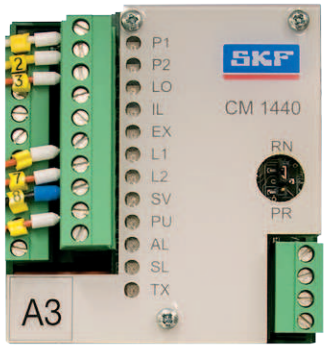
Construction

The number of available lubrication channels depends on the number of installed channel modules, CM1440.

SKF ST-1340 is delivered with 1 and SKF ST-1440 with 3 channel modules installed.

There is space for a maximum of 5 channel modules in SKF ST-1340 and 14 in SKF ST-1440

For Dualset, SKF doser monitor and grease spray air control options, extra modules are needed for inputs and outputs of the additional equipment.



⚠ CAUTION

For all systems described in this brochure, see important product usage information on the back cover.

User interface

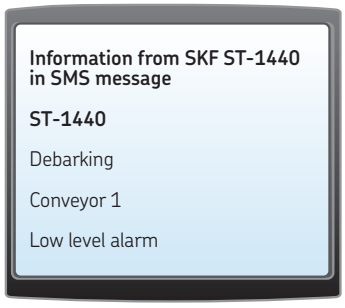
The user interface has 4x20 character alphanumeric LCD display, command buttons and alpahanumerical keys for setting lubrication parameters. There are separate status and parameter display pages for each lubrication channel.

SMS service

The SKF control centres can be equipped with optional SMS connection for text message control.

Text messages are used for:

- Sending lubrication alarms to users
- Acknowleging alarms
- Sending remote lubrication commands to the control centre



SKF Online 1440

SKF Online 1440 is Windows® software designed for controlling, monitoring and analysing lubrication systems. The maximum number of control centres connected to the system is 20.

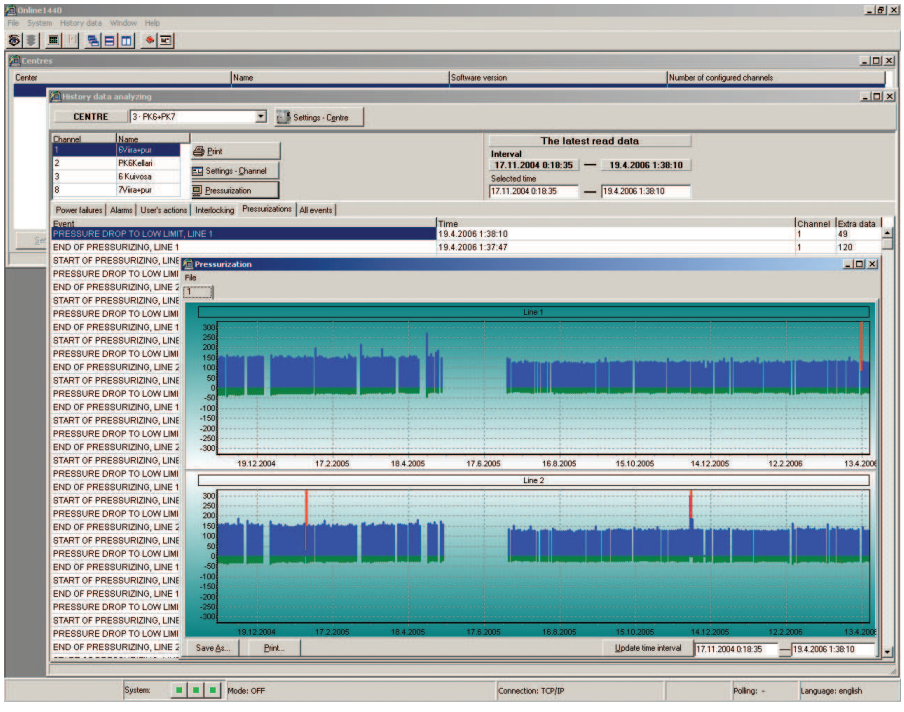
The application can be run from PCs which are connected to the control centre by direct cable or by Ethernet. The application has two main functions:

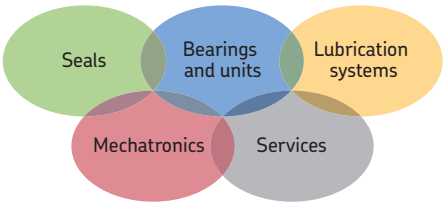
1 System control – online
2 Analyzing the lubrication history data.

Online -function enables the user to monitor system operation online, starting extra lubrication cycles, resetting alarms and setting the parameters for the centre and the lubrication channels.

History data - function enables the user to read and analyze lubrication history, lubrication trends, alarms, user actions, etc.

The system settings can be saved into a file and they can be restored as parameter values for the system.





The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry worldwide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

SKF lubrication systems
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Important information on product usage

All products from SKF may be used only for their intended purpose as described in this brochure and in any instructions. If operating instructions are supplied with the products, they must be read and followed.

Not all lubricants are suitable for use in centralized lubrication systems. SKF does offer an inspection service to test customer supplied lubricant to determine if it can be used in a centralized system. SKF lubrication systems or their components are not approved for use with gases, liquefied gases, pressurized gases in solution and fluids with a vapor pressure exceeding normal atmospheric pressure (1 013 mbar) by more than 0,5 bar at their maximum permissible temperature.

Hazardous materials of any kind, especially the materials classified as hazardous by European Community Directive EC 67/548/EEC, Article 2, Par. 2, may only be used to fill SKF centralized lubrication systems and components and delivered and/or distributed with the same after consulting with and receiving written approval from SKF.

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