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Smart Monitor



www.oxfordhealthcare.co.uk

Oxford Smart Monitor

Obtaining accurate service data is an essential part of any patient lift maintenance programme. The intelligent Smart Monitor from Oxford is a state-of-the-art, on-board diagnostic tool that provides invaluable operational data for both the user and service engineer.

- ✓ Improved patient safety
- ✓ Optimised product lifetime
- ✓ Simple service and maintenance



An evolution in service technologies

The Smart Monitor identifies service data with incredible precision. Fully re-programmable to allow retro-fits on existing fleets, the Smart Monitor is intuitive and easy-to-use and ensures all Oxford patient lifts successfully achieve maximised product lifetime, simple service and maintenance and above all, improved patient safety.

Features

- Identifies total number of lift cycles* and work completed by the actuator
- Accurately identifies service intervals
- Fully reprogrammable to allow retrofits on existing fleets
- Identifies lift overloads (exceeding safe working load)
- Intuitive, easy-to-use controls
- Easy to use, on-board redundant controls
- Battery level indicator

Benefits

- Improved safety for both patient and carer
- Accurate service data available at the touch of a button
- Optimised product life time (Recommended 40,000 lift cycles prior to actuator replacement)
- Ease of maintenance for engineers and service technicians

*A lift cycle is only recorded when the lift's actuator has completed the precise amount of work necessary for one complete lift (a full up and down actuation) at maximum safe working load. This could mean several transfers are performed before a single lift cycle is registered on screen.

Accurate Service Data

Individually calibrated to your lift, the intelligent Smart Monitor records the exact amount of work completed by the actuator, each and every time the lift is used. The software then converts this data to display the industry's most accurate lift cycle count, via the on-board LCD screen.

This information, alongside other key data points can be read out from the LCD display on the front of the control box.



Total Number of Lift Cycles

Indicates the number of full lift cycles completed under maximum load*.



Total Work Done

Identifies the total work completed by the actuator in amps/seconds.



Lift Overloads

Indicates the number of lift overloads (attempted lifts above the SWL).



Service Reminder

Indicates the number of days since last service alongside the pre-set service interval period.

*A lift cycle is only recorded when the lift's actuator has completed the precise amount of work necessary for one complete lift (a full up and down actuation) at maximum safe working load. This could mean several transfers are performed before a single lift cycle is registered on screen.

User Alerts & Safety Warnings

The Oxford Smart Monitor will alert the user should the lift require attention, or if misuse has been detected. Alerts are provided audibly and also visually via the integrated LCD display panel. The user is notified of battery status, lift overloads and when a service is due to allow the relevant action to be taken.

These data-points are communicated through the warning symbols shown below.



Lift Overload

If the lift stops because of an overload (an attempt to lift more than the SWL) this safety warning will appear on the display.



Service Reminder

When it's time for a service, this symbol will appear on the display along with an audible signal giving notification that a service is due.



Battery Level Indicator

The three stage battery level indicator confirms how much charge the battery has remaining and when charging is required.

The display showing full battery means that the battery is fully charged and the lift is ready for use.



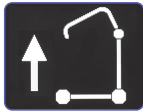
The display showing a half empty battery indicates that it is time to charge the battery.



The empty battery symbol showing on the display indicates that the battery has no capacity left and should be placed on charge immediately.

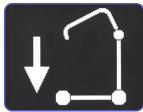
User Handset & Redundant Controls

The Smart Monitor is equipped with a user handset to operate the lift (see below). The control box also incorporates redundant control soft keys positioned below the emergency stop switch. These enable the lift to be raised or lowered in the event of an emergency, without a need for the handset.



Redundant Control (Raise)

Identifies that the boom is being raised via the handset or via the redundant control soft key.



Redundant Control (Lower)

Identifies that the boom is being lowered via the handset or via the redundant control soft key.



Redundant Control (Open Legs)

Identifies that the legs are being opened only via the handset or redundant control soft key (available on lifts with powered leg positioning).



Redundant Control (Close Legs)

Identifies that the legs are being closed via the handset or redundant control soft key (available on lifts with powered leg positioning).



User Handset

The standard user handset is used to operate the lift under normal use. Dependent on the lift type, it will raise and lower the boom and/or open and close the legs.

Servicing & Calibration

The Oxford Smart Monitor has the following handsets, specifically designed for calibration and servicing requirements. They are not user handsets and are for use by authorised Oxford service providers only.



Calibration Handset

The calibration handset is for use by approved service engineers and dealerships only. It enables the user to calibrate the Smart Monitor to the rated safe working load of the lift.



Actuator Reset Handset

The retro-fit handset is for use by approved service engineers and dealerships only. It is used to set the cycle counter on the control box when an existing lift is retro-fitted with the Oxford Smart Monitor. This handset is also used when replacing a lift's actuator.

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Scan me!



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