



NovaMaster

## Electronic hoist monitoring

**NovaMaster guarantees excellent safety and a long service life of the lifting gear due to:**

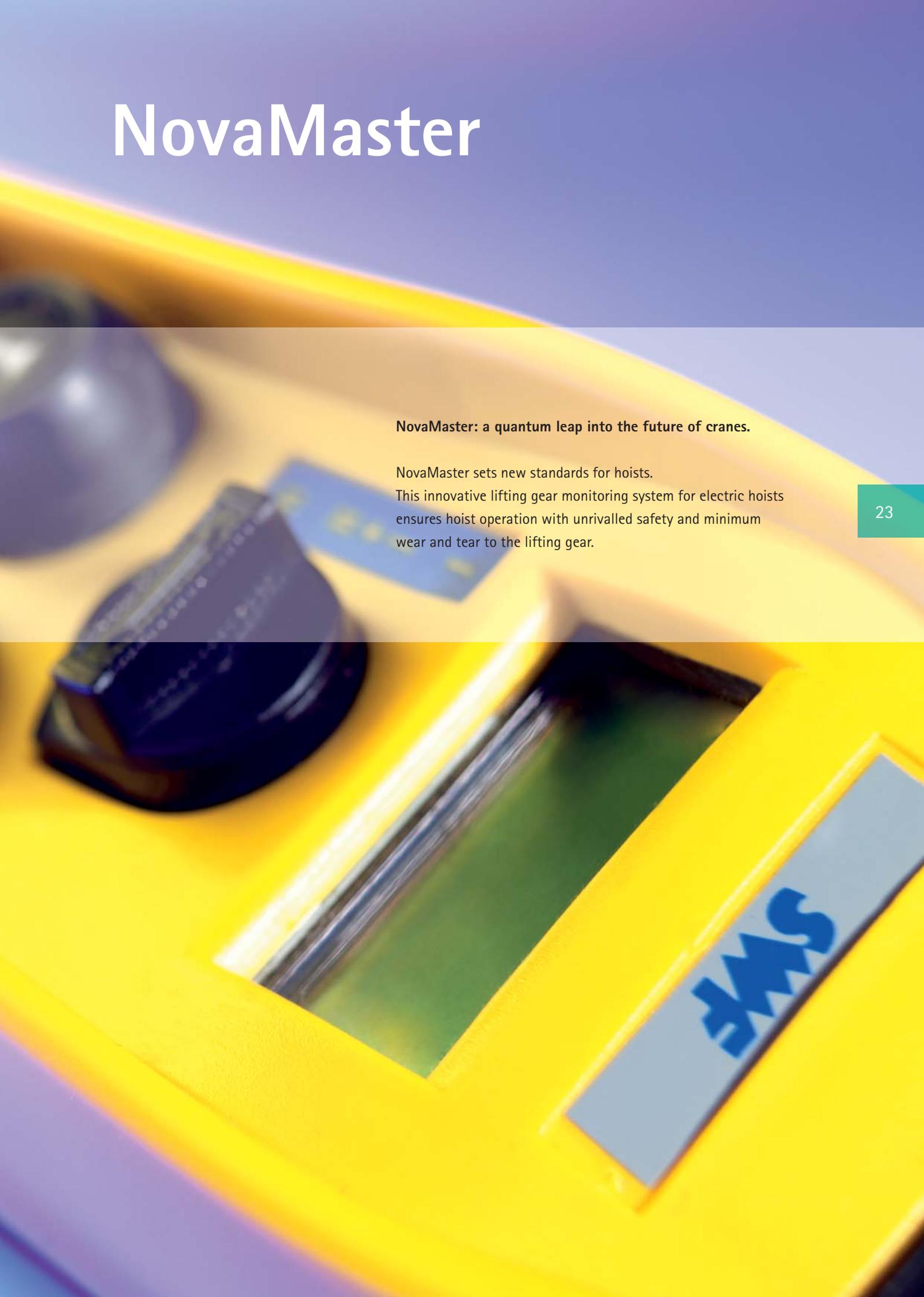
- **Safe usage**  
Hoist condition monitoring from floor level via the push button pendant, permanent calculation of the SWP, continuous overload protection
- **Gentle operation**  
Smooth starting and stopping of the load
- **Shorter downtimes**  
Quick and easy reading of the relevant crane data via a display in the push button pendant
- **Low maintenance costs**  
Smooth acceleration and braking protects brakes and motors

**Advantage: Crane usage can be simply optimized**

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**NovaMaster: a quantum leap into the future of cranes.**

NovaMaster sets new standards for hoists. This innovative lifting gear monitoring system for electric hoists ensures hoist operation with unrivalled safety and minimum wear and tear to the lifting gear.



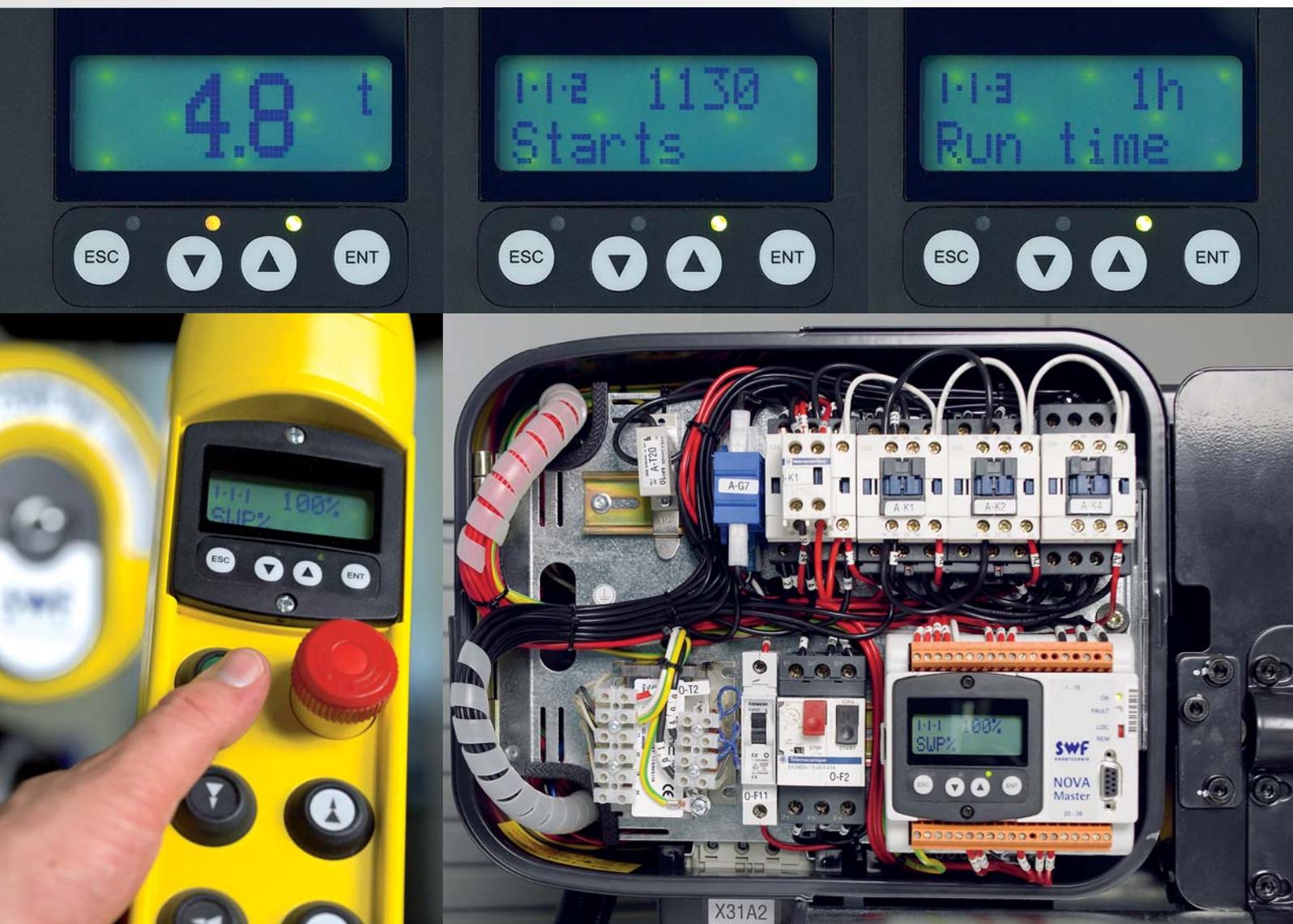
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As NovaMaster ensures smooth lifting and stopping manoeuvres, mechanical components and hoisting brakes are protected against excessive wear. During braking and acceleration, the system switches to the lowest lifting speed so that the brake is relieved. In addition, NovaMaster continuously monitors the safe working period (SWP).

NovaMaster measures and analyses all relevant crane data from which, for example, the current load on the hook can be accurately and reliably calculated. The system also monitors the lifting motor and protects it against overload.

All relevant lifting gear parameters such as SWP, total number of starts, total operating time, average calculated load, SWP of the lifting brake, etc. and error messages are shown on the display.

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25



The optional display unit can be mounted on the control pendant and the load display (accuracy  $\pm 5\%$ ) caters for an optional tare weight function. The programming of the crane as well as the reading of the actual operation values can all be done via the push button pendant. This enables the operator to quickly and easily check the crane's status.

- All the relevant data is displayed directly on the push button pendant
- Relay outputs for additional electrically controlled functions
- 3 different intermediate loads can be programmed
- Analogue output for connection e.g. to a larger load display (0-10V)
- Slack rope supervision function with bypass, to be used for example in conjunction with load carrying devices
- CANbus function for the cross-linking of up to 5 hoists
- Multi-function inputs, to be used for example for overload switching points, start counter or operating time meter
- Load measuring/load summation as an option via strain gauge sensor or motor current measurement