



SLIP RING UNIT WITH BUILT-IN DIAGNOSTIC SYSTEM

ADSR® is an integrated diagnostic system, which offers a remote monitoring of the conditions in a slip ring unit. The aim is an improved planning of condition based maintenance measures.

The diagnostic system ADSR® is integrated inside the housing and constantly monitors key parameters of a slip ring unit. It thereby anticipates possible malfunctions. If a failure is detected, the central control unit receives an alert signal. In addition, information on vibration, voltage level, power level, rotational counts and speed, as well as, optionally, the internal/external humidity and temperature during operations is supplied to the operator. The analysis of this operational data allows estimates of the remaining lifetime of the slip ring unit – both in terms of time and rotations.

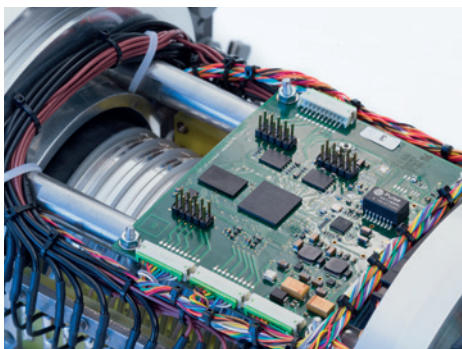


Slip ring unit SC168 with ADSR®

MONITORING OF CONDITIONS THROUGH CONTROL OF KEY PARAMETERS

- Temperature internal / external
- Humidity internal / external
- Vibration axial / vertically / horizontal
- Current and voltage on 4 power ways
- Absolute rotational counts
- Rotational speed
- Noise

The warning and alert information of the diagnostic system is transmitted via a signal cable and also visualized directly on the slip ring unit by an LED. The currently measured values and the alarm history are also available through browser-based network interfaces. The monitoring system of the slip ring unit can be connected to SCADA via an SNMP (TCP/IP) interface.



Integrated electronics



Optional external sensor



LED status indication

LTN Servotechnik GmbH

Georg-Hardt-Straße 4

83624 Otterfing, Germany

T +49 8024 6080-0

F +49 8024 6080-1000

ltn@ltn.de

www.ltn-servotechnik.com

Subject to change without prior notice. Issued 02/2019