

ATI Systems - Committed to Quality



LEINE LINDE

ROBUST ENCODERS

FOR ACCURATE SPEED AND POSITION



CHOOSE AN ENCODER BASED ON YOUR NEEDS

LEINE LINDE

ADS ONLINE

ENCODER DIAGNOSTICS

Trade Enquiries Welcome



ATI Systems - Committed to Quality

sales@atisystems.co.za

011 383 8300 • 031 564 3484
159 Galjoen Road, Wadeville

www.atisystems.co.za



ATI Systems



1000 Extreme

Extreme in every way. Handles most things

The steel industry has many examples of environments with extreme requirements in terms of temperature, mechanical forces, vibrations and shocks. For such types of applications, we have designed the 1000 series.

An encoder series with exceptional durability, suited to an exposed environment.

Thanks to a high encapsulation level the encoder's internal parts are protected from dust and liquids. We can manufacture the product in stainless steel on request.

We offer different incremental and absolute interfaces, or combinations thereof in a single product. The absolute interfaces available include SSI and EnDat as well as fieldbus communication.

Technical Data

Diameter	115 mm
Vibration	300 m/s ²
Shock	2000 m/s ²
Shaft Load	680 N (radial)
Encapsulation Level	260 N (axial) IP67
Temperature	Variants up to -40 .. +100 °C



Extreme environments

In some industries, e.g. within metal processing and mining, encoders are exposed to extreme mechanical forces and a harsh environment. The 1000 series is designed with highly robust bearings to withstand forces, vibration and shocks, as well as being well encapsulated to protect the encoder's internal parts from the surrounding environment.



ADS Online

Constant function monitoring

Integrated into the encoder is an advanced diagnostics system that continuously monitors the encoder's function. Among the parameters that ADS Online Monitors are

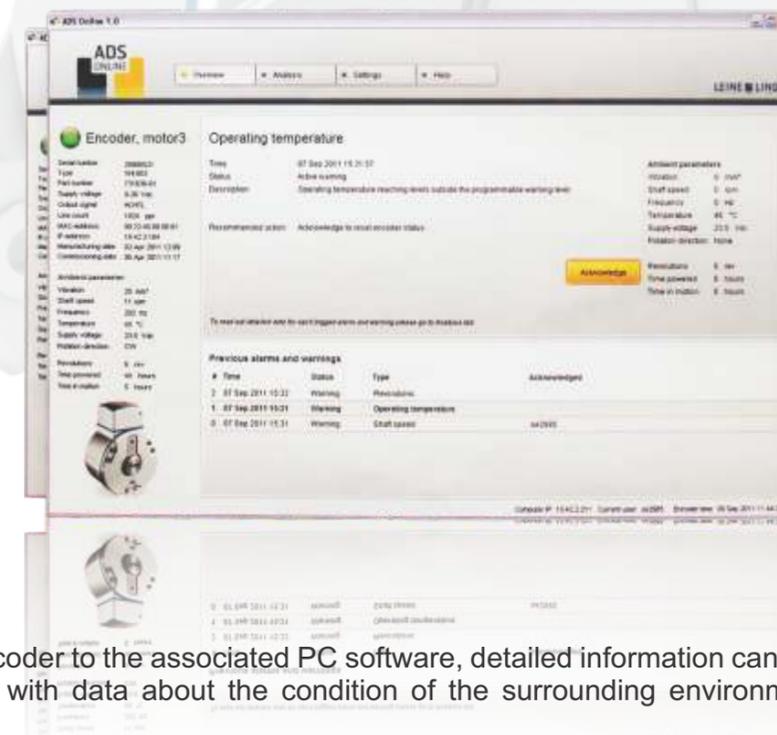
- that the number of detected pulses always agrees with the expected
- that the encoder optics maintain the expected quality
- that the encoder's output signals maintain the correct voltage level
- that the signals are not subjected to electrical disturbances for the surroundings.



Constant function monitoring

An important function in ADS Online is that the system conducts automatic interpretation and analysis of each detected fault. The analysis determines the seriousness of the fault and sorts it into one of four categories based on the encoder's condition.

The system also provides notification of a recommended measure that should be taken to prevent problems.



By connecting the encoder to the associated PC software, detailed information can be read about each detected fault, along with data about the condition of the surrounding environment when the fault occurred.