HEIDENHAIN

Next Generation of Inductive Scanning

Rotary encoders for compact motors
ECI 1122/EQI 1134

Next generation of inductive scanning

- Position values per rev.: up to 22 bits (singleturn) / 12 bits (multiturn)
- Increased resolution and improved control quality
- Integrated operating status data acquisition
- Robust inductive scanning principle
- High positioning accuracy
- High axial tolerance: up to ±0.4 mm
- Also available with functional safety
- Interface: EnDat

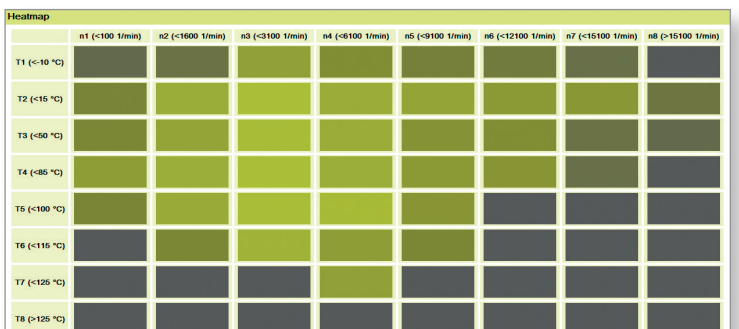
Integrated data acquisition

Operating status data acquisition
- Continuous logging of operating statuses by the encoder
- Can be read out through standard EnDat 3 commands

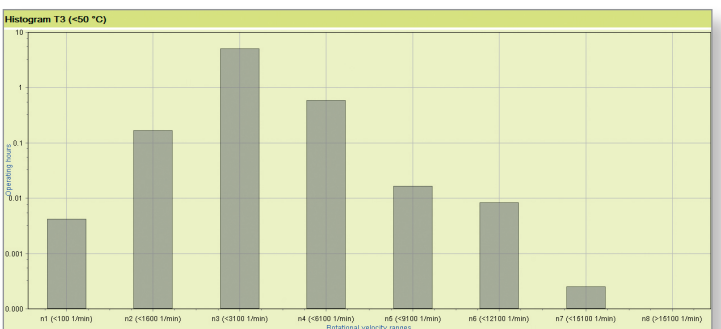
Operating statuses	Extreme values	Alarm-triggered data
Number of memory accesses	Timestamp	Timestamp
Number of restarts	Velocity	Internal temperature
Operating time	Acceleration	External temperature
Active time	Internal temperature	Valuation numbers
Distance traveled	External temperature	Mounting clearance
Number of reversals	Position	Position
Number of strokes	Mounting clearance	Velocity

Histogram and heatmap

- Documentation of operating and load conditions in the application
- Logging of encoder usage
- Simplified troubleshooting if problems occur
- Minimization of machine downtime



Heatmap of temperature over shaft speed
The shading in the color diagram indicates the usage times within each temperature/speed range.



Temperature histogram
A bar graph shows the distribution of speeds within the selected temperature range.

HEIDENHAIN

DR. JOHANNES HEIDENHAIN GmbH
Dr.-Johannes-Heidenhain-Str. 5
83301 Traunreut, Germany
☏ +49 8669 31-0
FAX +49 8669 32-5061
info@heidenhain.de

www.heidenhain.com

11/2022 · PDF