

Amplifier Diagnostic System

With the Yaskawa Amplifier Diagnostic System (ADS), there's an easy way for monitoring the condition of your Yaskawa controller. It helps to obviate spontaneous failure, increase the availability of your equipment and it ensures, that preventative arrangements will be performed accurate.



DEGRADATION DIAGNOSIS

Detection of failure causes, which can lead to complete shutdowns such as:

- Over-current
- Tracking error
- Collision-detection
- Heavy vibrations

It is possible to review the amplification either in the on or off-state, therefore the process it is very easily performed in a short time.



Improved Duration

Developed by Yaskawa, it was invented to evaluate the wearout and lifetime of the Servo-Amplifier.

With the diagnostic-process, we are capable to give you accurate information about the condition of your components.

You receive the analysis and a detailed report immediately. If necessary, we provide individual arrangements for you.

With scheduled replacement, you can send us the exchanged model for in-house repair.

You also can book our Amplifier-Diagnostic-System as an option on top of our custom-made maintenance contracts.

The amplifier diagnostic system is available for generation NX and DX, which comes with a wide range of inbuild amplifiers, such as:

- SGDR-SDA
- SGDA-SDA

➡ Within all different robots

YASKAWA

Customer name: _____

User name: _____

NX100-AMP Degradation check Report

The contents of check items

Robot model	ES165N-B10	Machine No.	Messen/Lochen R6 - Lochen R1	Production years	
Order No.	S8M462-1-3	Serial No.	RH9550-8Z01-3	Ambient temperature	25
Control on time	31721:03	The request contents		Check day	11/1/2020
Servo on time	11657:36	Condition examination of the amplifier			
Play time	11643:55	Controller No. 053204			

* Servo AMP output voltage result of measurement

Unit form:SGDR-ES165N

Management No.	—	Serial No.	D0056G248010004	Production date	
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Loaded part	Product type	Judgement	Conclusion
AMP1	SGDR-SDA710A01B	Normal	- No wearout measurable - We recommend a periodic check
AMP2	SGDR-SDA710A01BY2	Normal	- No wearout measurable - We recommend a periodic check
AMP3	SGDR-SDA710A01B	Caution	- Degradation tendency confirmed - Minor wearout has been diagnosed - We recommend to exchange the amplifier
AMP4	SGDR-SDA350A01B	Normal	- No wearout measurable - We recommend a periodic check
AMP5	SGDR-SDA350A01B	Normal	- No wearout measurable - We recommend a periodic check
AMP6	SGDR-SDA350A01B	Normal	- No wearout measurable - We recommend a periodic check
AMP7			
AMP8			

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We reserve the right to technical changes and error.
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