SMARTDAC+

Aerospace Heat Treatment (Option /AH)

Adds compliance with AMS2750G and support in Nadcap-accredited applications

Nadcap

International certification system for special processes in the aerospace industry

AMS2750G

SAE standard related to pyrometry for equipment used for thermal processing of aerospace parts

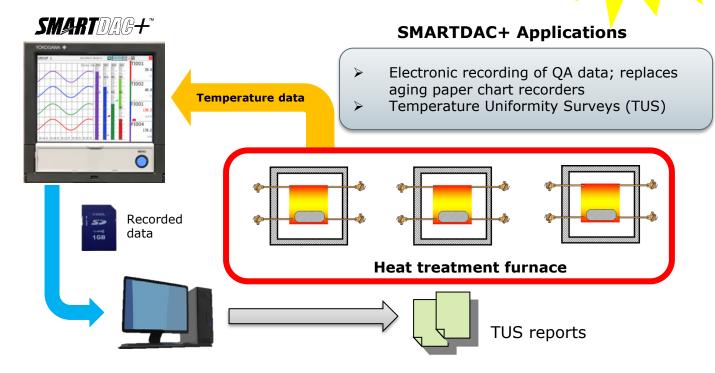
*Nadcap: National Aerospace and Defense Contractors Accreditation Program

*AMS: Aerospace Material Specifications

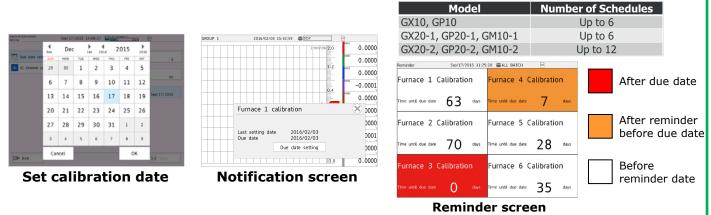
SMARTDAC+ compliance with AMS2750G

- 1. TC measurement accuracy within ± 1.0 °F or ± 0.6 °C (with calibration correction)
- 2. Instrument calibration reminder
- 3. Adds sensor correction factor values to recorded data
- 4. Secure, tamper-proof data with password access management
- 5. Meets field test instrument requirements for TUS work

Use for testing and on-site work



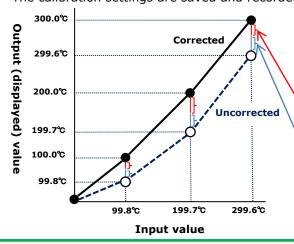
Instrument calibration reminder function



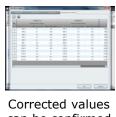
Correction Coefficient Mode of Calibration Correction

Sensor and recording instrument correction factors can be set separately and accounted for in the recorded data, conforming to AMS2750G.

SMARTDAC+ has up to 11 linearizer function segments for each input channel (Max. 12 set points) The calibration settings are saved and recorded together with the recorded data.



Correction point	1	2	3
Uncorrected input value	99.8 ℃	199.7 ℃	299.6 ℃
Sensor correction factor	0.1 ℃	0.2 ℃	0.2 ℃
Instrument correction factor	0.1 ℃	0.1 ℃	0.2 ℃
Corrected measured value	100.0 ℃	200.0 ℃	300.0 ℃



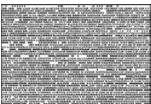
can be confirmed by dedicated software

Security functions

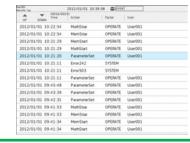


Login for controlled access

- · Administrator and User level log in
- Selectable User level access properties
- Advanced Security option /AS adds Electronic Signature and Audit Trail



Encrypted binary files to prevent data tampering



E-signature and audit trail functions

*with /AS option

TUS reporting software (sold separately) Max/min temperature TUS pass/fail result Easily create TUS reports from data measured by recorders Temperature change trend over time etc. **Detailed drawings of sensor** YOKOGAWA 🔷 Thermal Survey Report positions, etc. can be merged into templates Merge data into Generate Load measured templates reports data * For information on TUS software, contact your Yokogawa representative.

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