OpreX[™] Data Acquisition SMARTDAC+ Automotive Industry Heat Treatment (Option /AH) GX/GP/GM Recorders and data logger with IATF16949 COI-9 Support

What is IATF16949/CQI-9?

<u>IATF16949</u>: International standard related to quality management systems specific to the automotive industry. Many of the world's manufacturers including American "BIG3" have adopted it as a global procurement standard.

<u>CQI-9</u> : "Special Process: Heat Treatment System Assessment" enacted by the Automotive Industry Action Group (AIAG).



Use as SAT/TUS measuring instruments, and as monitoring and recording instruments

Input type		Measurement range in Fahrenheit	Measurement range in Celsius	Typical value (Incl. RJC error)
тс	R	932 to 3,200 °F	500 to 1,760 °C	±1 °F(±0.6 °C) or ±0.06% of reading, whichever is greater
	S	932 to 3,200 °F	500 to 1,760 °C	
	К	32 to 2,498 °F	0 to 1,370 °C	±0.5 °F(±0.3 °C) or ±0.03% of reading,
	N	32 to 2,372 °F	0 to 1,300 °C	whichever is greater
	J	32 to 2,012 °F	0 to 1,100 °C	
	K-H	32 to 932 °F	0 to 500 °C	
	Т	32 to 752 °F	0 to 400 °C	



SMART D.G.H

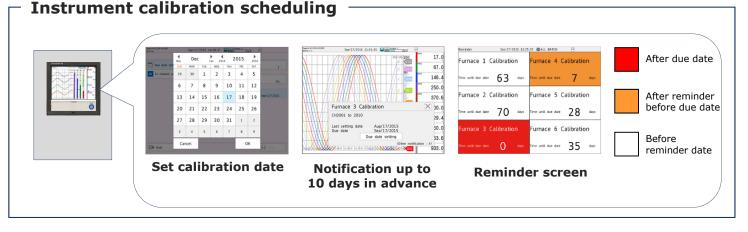
Compact, portable model convenient for SAT work

* Under the standard operating conditions outlined in the user's manual.

* Using the GX90XA-10-U2.

* A/D integration time: 16.67 ms or more

* Option /AH : Aerospace heat treatment option

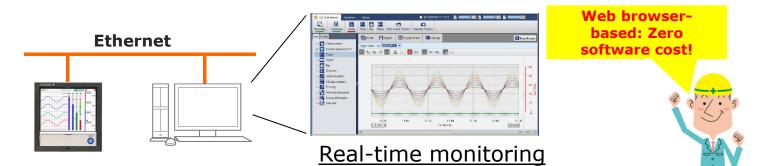


Add sensor correction values to recorded data 300.0% Output (displayed) value Uncorrected Correct 100°C 299.6°C value Instrument 200.0°C 0.1°C correction factor Uncorrecte + d Sensor 199.7°C 0.1°C correction factor 100.0°C Corrected 99.8°C 100.2°C value Input 299.6°C value 199.7℃ 99.80 Check recorded data and Instrument correction factor 2 to 12 correction points and sensor correction factor can corrected values on Linear correction between correction points be set separately dedicated PC software Sensor correction Instrument factor correction coefficient

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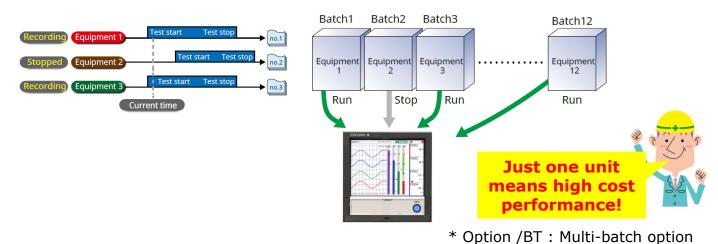
Three benefits of SMARTDAC+

1. Easily implement remote monitoring and data acquiring



2. Multi-batch function (with the /BT option)

Record multiple batches of data on a single unit. Start/stop recording and create data files independently each batch.



3. Recording and control in a single unit with PID control module

2017/03/29 09:28:23 Strip 50mia PT No.02 Vacuum furnace 2 1/min/dip1390.0 INTROL GROUP 2017/02/14 19:45:33 💓 D 57min 🕅 50 min um fumace 2 TIC-01 TIC-02 AUTO HOTE Remote 550. 1200.0 monitoring, RUN RUN AUTO AUTO 1200.0 89.7 PROGRAM PROGRAM plus CONTROL! L012 P٧ PV °C AUTO BUN ŧ 269.9 505.8 23.0 900.0 100.0 507.5 SP SP 307.0 Segment 04/06 ADVANCE PROGRA OUT 73.4 × OUT 100.0 % -o6) Time 00:02:01 Program screen Control screen

YOKOGAWA ELECTRIC CORPORATION E-mail: ns@cs.jp.yokogawa.com

http://www.yokogawa.com/

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