

DART-Studio

Real time Welding

Condition Manual

Version 1.0.0.4



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Preface

This User Manual introduces DART-Studio real time welding condition function user operation methods.

The content of this manual refers to the latest product versions at the time of writing, and the product information provided in the manual is subject to change without prior notice to the user.

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1 Real time Welding Condition

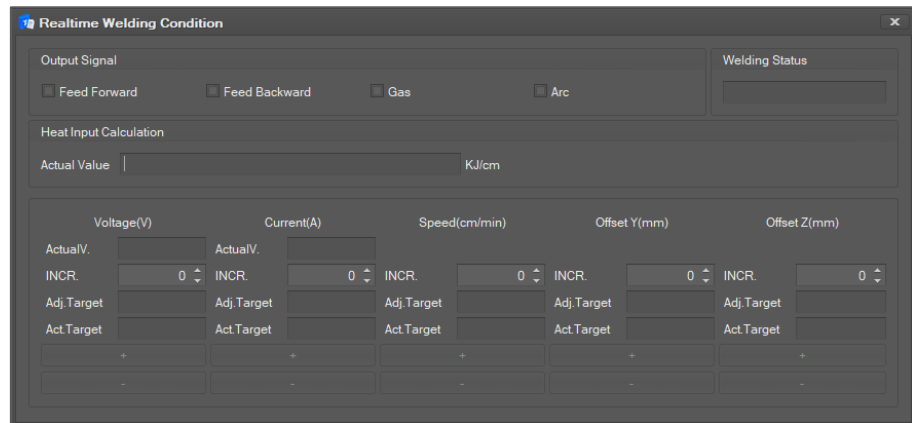
1.1 Function description and usage

This function is to change or monitor the welding condition value entered in advance when using the welding function.

⚠ CAUTION This function is a paid option function, and the menu for using this function appears on the menu only if you have obtained a corresponding license from the SW provider.

To use this function,

- 1 Select the **Util** tab in the main menu and click the **Realtime Welding Condition** button. However, the function is a paid option function, and the corresponding menu is displayed only when the license is issued to the SW provider in advance.
- 2 The **Realtime welding condition** window as below will open.



- 3 For the description of each item, refer to the table below.

Item name	Description
Output Signal	Items corresponding to output signals such as Feed Forward/Feed Backward/Gas/Arc are checked
Welding Status	Current welding status is indicated as one of Non-Weld/Weld(Normal)/Weld(Error)/Dry-run
Head Input Calculation [Actual Value]	$60 \times \text{Actual Voltage} \times \text{Actual Current} / \text{Adjust Speed} / 1,000$
Actual Value	Display of measured values of voltage and current
Increment	The increment value for Voltage, Current, Speed, Offset Y,

	Offset Z
Adjust Target	Adjustment target value of Voltage, Current, Speed, Offset Y, Offset Z
Actual Target	Actual target value of Voltage, Current, Speed, Offset Y, Offset Z
+	Adjustment target value plus increment value
-	Adjustment target value subtract increment value
Controller version	This function cannot be used with a lower controller version than GFx20600



CAUTION

This function cannot be used with a lower controller version than GFx20600.