RA3100 software Ver.1.4.1 (2023/3)

[Improved functions]

1. Display maximum/ display minimum setting range changed to 10 times the measurement range.

[Bug fixed]

1. When you change the channel display maximum/display minimum with waveform inversion ON using a communication command, the positive and negative
2. Make an error response when there is no waveform inversion parameter in the channel display setting command.
3. The UI app terminates abnormally when the interval time in the recording settings is changed from 1 day to 0 days.
4. An incorrect recording time may be displayed when the recording mode in the recording settings is changed from interval recording to normal recording.
5. The printer status is not displayed correctly on the maintenance screen.
6. Recording may not end normally if the recording time is less than 1 second.
7. Other minor bug fixed.

RA3100 software Ver.1.4.0 (2022/12)

[Additional functions]

1. Support for new modules
* RA30-104 2ch AC strain module
* RA30-107 2ch High voltage module
* RA30-108 2ch Frequency module
* RA30-109 2ch Acceleration module
1. Waveform inversion function

Displays the waveform and digital value by inverting the positive/negative of the measured value.

1. Web server function

The screen display and operation of the main unit can be performed remotely from a web browser on a PC, etc.

1. Module update function

Updates modules installed only in the main unit.

1. Communication commands
* E17: TRIG output command
* E18: MARK output command
* E19: PRINT control command

[Improved functions]

1. Added prefix selection in numeric input

You can enter numbers with prefixes such as k, m, etc.

1. Print start/stop response time

[Specification changed]

1. Change of communication command
* ACK response

Changed response timing

* S30: channel display

Added parameter P12 with the addition of waveform inversion function

* S32: physical quantity conversion

Changed the data range of parameters P4 to P9

* I05: Get RA3100 status

Changed response contents of ACK response

[Bug fixed]

1. Deleted automatic backlight OFF function
2. If printing continues for a long time at a sampling speed of 20S/s (chart speed of 2mm/s) or less, printing may occasionally stop.
3. When pen record printing is started with the PRINT IN signal of the RA30-112 remote control module, "0" may not be printed on the time axis of printing.
4. When using physical value conversion, the zero point position of scale value printing is not printed at the correct position
5. When the gain is negative in physical value conversion, the YT waveform, trigger threshold line, and search threshold line are not displayed correctly, and display maximum and display minimum cannot be entered.
6. Thumbnails are not displayed when the recorded data is 1GByte or more and the thumbnail magnification is "1/whole".
7. Cursor values may not be displayed correctly on the playback screen after recording ends
8. When the number of samples between cursors A and B is large, the maximum, minimum, and average values between AB are not displayed.
9. When daylight saving time is ON, the start time of recording is not set correctly.
10. Fixed other minor bugs