

REMOTE CONTROLLER

GRC-1201

USER MANUAL

GW INSTEK PART NO. 82RC-12010MA1



equipment, and maintenance procedures at any time without notice.

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INTRODUCTION

The GRC-1201 is a special remote controller for the standard signal generator GSG-family.

The main purpose of the GRC-1201 is to read the information stored in the memory of GSG-family. Before the remote controller is used, such information as the carrier frequency , output level, modulation factor, and modulation mode must be written into the memory from the front panel of the signal generator.

The values of the carrier frequency, output level, modulation factor, and memory address can be changed by cursor keys and rotary knob.



SPECIFICATIONS



Setting functions

Higher digit  and  keys and lower digit  and  keys in MEMORY block.


 and  keys in MOD block.

Rotary knob to modify the value at cursor position.

 and  key to move cursor within a block.

 and  keys to move cursor between a blocks.

(The result of modification is displayed on the signal generator)

 key to fix the function of rotary knob.

 and  keys in LEVEL block.

Display functions

2-digit 7-segment LED in MEMORY block.

MOD ,PILOT indicator in MOD block.

LOCK indicator in CURSOR block.

External dimensions


189 (W) x 38 (H) x 97 (D) mm (case size)

Cable length = 1.9 m approx.










Operating temperature range:

0° to 40°

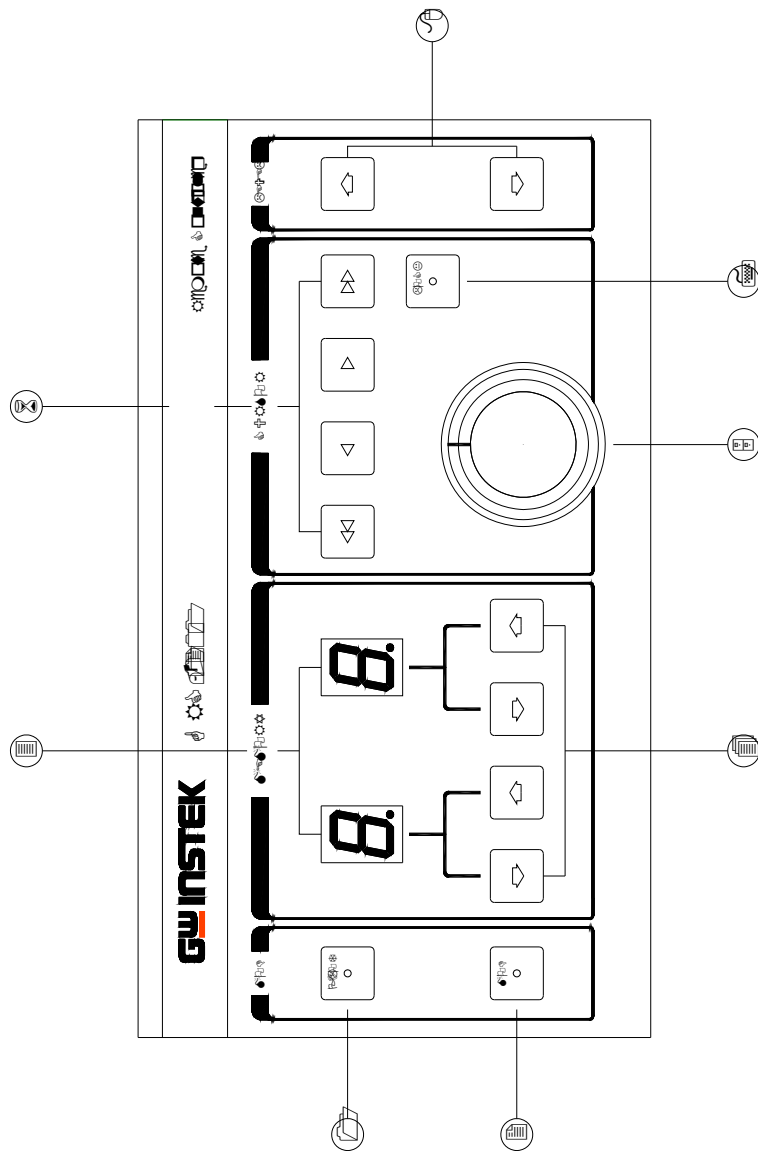
FRONT PANEL

- (1)  key : Select pilot signal to deliver or not.
When LED indicator is light, the pilot signal to deliver. (GSG-122 only)

DESCRIPTION

- (2)  key : Turns modulation ON or OFF.
When LED indicator is light, the modulation is ON
- (3) Address display : Indicates current address, are arranged in a matrix with a line-column display 00-99.
- (4) Single step : Use to increase or decrease address.
- (5)  key : Modify the value at cursor position.
- (6)  and  keys : Shifts the cursor to modulation, memory or frequency display.
-  and  keys : Shifts the cursor to right or left in the blocks.
- (7)  key : Fix the function of rotary knob.
When LED indicator is light, the function of rotary knob to the fixed.
- (8) Output level   : Use to increase or decrease the output levels.

FRONT PANEL



CONNECTION METHOD



Turn off the POWER SW of the signal generator , set the connector at the tip of the GRC1201 cable to the REMOTE connector on the rear panel of the signal generator , and turn on the POWER SW.

If information is not displayed correctly , turn off the POWER SW and turn it on again.

OPERATON METHOD

- (A) Each time the higher digit or key or lower digit or key in MEMORY block is pressed, the value of the relevant digit of memory address increases or decreases by 1.
- (B) The lower digit and keys in MEMORY block and MOD, PILOT keys in MOD block have the same functions as those keys on the signal generator front panel.
- (C) The same memory address is displayed on the GRC1201 and on the signal generator and the PILOT , MOD indicator in the MOD block of GRC1201 shows the same status as that on the signal generator.
- (D) Data must be written into memory in advance by use of keys on signal generator. (See section 4-5(2) of GSG120/122 Operation Manual.)
- (E) Before using the rotary knob , move the cursor to the item to be modified by use of the , , and key(s).
- (F) If the **LOCK** key is pressed. the data value cannot be changed by turning the rotary knob; that is . the data is fixed at the value specified immediately before the **LOCK** key was pressed.
- (G) The and KEYS in LEVEL block use to increase or decrease the output levels (continuity).

NOTE:

- (1) When the value of higher digit in MEMORY block is "9" , pressing of the  key is ignored. In the same way , pressing of the  key is ignored when the value of the higher digit is "0".
- (2) **PILOT** key for the use of GSG-122 only; If used with GSG-120 , the LED indicator always light.