

**GP-IB interface (for SC-7205) SC-701**

\*Factory option



The SC-701 (standard equipment with the SC-7207 and SC-7206) that is built into the SC-7207, SC-7206, and SC-7205 universal counters can be used with the external GP-IB controller to remotely set remeasuring resets, measuring functions, time bases and calculations, and to externally output measuring results data.



- Electrical and mechanical specifications are compliant with IEEE 488.1.
- The following interface functions are available for GP-IB:  
 SH1, AH1, T5, L4, SR1, RL1, PP0, DC1, DT1, C0
- Equipped with REMOTE/LOCAL status indicator LED
- Remote control items  
 Full remote control  
 (Except some functions including on/off for the power switch or remote control-related settings.)

Model	
SC-7207	Equipped as standard
SC-7206	
SC-7205	Optional (SC-701)

### Address setting

The following items can be set from UTILITY - SYSTEM menu:

- Any unit address can be selected from 31 types (0 to 30).
- Either CR+LF or LF can be selected as the delimiter.

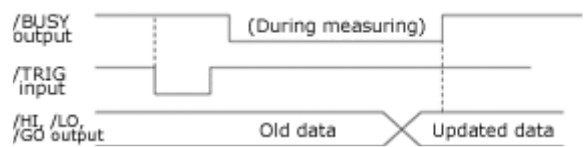
### Digital I/O (for SC-7207, SC-7206 and SC-7205) SC-702

\* Factory option



The SC-7207, SC-7206 and SC-7205 universal counters with SC-702 installed are capable of controlling the start of measuring and outputting comparator calculation results (open collector). Part selection/inspection results can easily be checked visually by connecting an external lamp, etc.

### Timing chart



### Control signal

/TRIG (C-MOS input)	Measuring is started by L pulse of 10 ms or more during /BUSY=Z period. /TRIG signal is disabled during /BUSY=L period.
/BUSY (open collector output)	During measuring: L (output transistor: on), during not measuring status: Z (output transistor: off)
/HI, /LO, /GO (open collector output)	One position is L (output transistor: on) according to the comparator calculation results.

The rest is Z (output transistor: off)

### Maximum rating of output terminal

- Voltage: DC50V
- Current: DC150mA
- Frequency response: DC to 1kHz

### Maximum rating of input terminal

- Voltage: DC5V
- Frequency response: DC to 1kHz

### High-stability reference oscillator (contact Iwatsu Test Instruments Corporation about delivery times) (for SC-7207, SC-7206 and SC-7205) SC-703/SC-704

\*Factory option

The SC-7207, SC-7206 and SC-7205 universal counters with SC-703 or SC-704 installed are capable of highly stable reference frequency oscillation to the 10 MHz OUT BNC terminal on the rear of the main unit.

\* Either SC-703 or SC-704 can be installed.

### Performance

	SC-703	SC-704 (made-to-order)
Oscillation frequency	10MHz	
Temperature characteristics	±0.05ppm (when reference: +25°C, range: from 0°C to +40°C)	
Warm up characteristics	±0.05ppm (10 minutes after power-on, using the frequency 1 hour after power-on as a reference.)	
Aging rate (/day)	±0.02ppm	±0.002ppm
(/year)	±0.1ppm	±0.05ppm