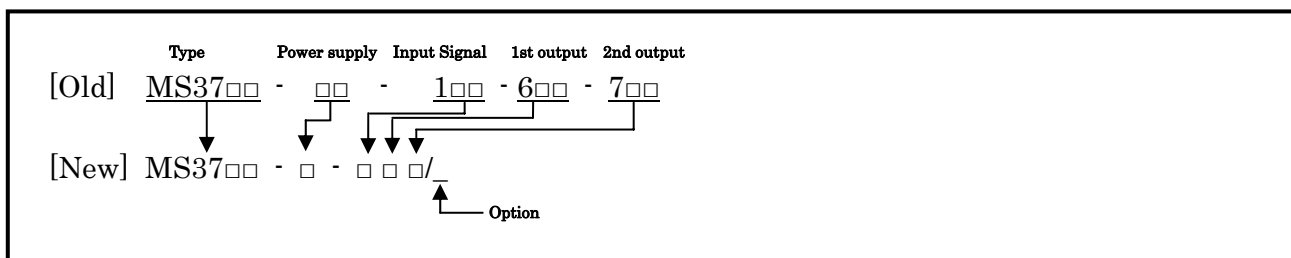




# Ordering Format Old/New Cross-Reference Table **MS3700**

## MS3700 series



### Power Supply

#### Common to all types

| Power supply | Old | New |
|--------------|-----|-----|
| AC85-264V    | AU  | A   |
| DC24V        | D1  | D   |
| DC90-121V    | D4  | P   |

### Input Signal

#### MS3703

| mV signal | Input                    | Old | New |
|-----------|--------------------------|-----|-----|
|           | 0-10VmV                  | V2  | 1   |
|           | 0-100mV                  | V3  | 2   |
|           | +10mV                    | W2  | 1W  |
|           | +100mV                   | W3  | 2W  |
|           | Specified voltage signal | VX  | 0   |

#### Types applicable:\*1(Refer to the footnote below.)

| Current or voltage Signal | Input                    | Old | New |
|---------------------------|--------------------------|-----|-----|
|                           | 4-20mA(250 ohm)          | C1  | A   |
|                           | 2-10mA                   | C3  | B   |
|                           | 1-5mA                    | C4  | C   |
|                           | 4-20mA(50 ohm)           | C2  | E   |
|                           | 10-50mA                  | C5  | H   |
|                           | Specified current signal | CY  | Z   |
|                           | 0-1V                     | V4  | 3   |
|                           | 0-5V                     | V5  | 5   |
|                           | 0-10V                    | V6  | 4   |
|                           | 1-5V                     | V1  | 6   |
|                           | +10V                     | W6  | 4W  |
|                           | +5V                      | W5  | 5W  |
|                           | Specified voltage signal | VX  | 0   |

#### \*1 Types applicable to direct current and voltage signal

MS3704 MS3704IS MS3705 MS3705HA MS3713  
 MS3714 MS3716 MS3725 MS3729 MS3739  
 MS3739IB MS3740 MS3761 MS3762 MS3765

☞MS3704IS is for 4-20mA and 1-5V input only.

#### MS3701

| Thermo-couples | Input  | Old | New |
|----------------|--------|-----|-----|
|                | T/C: K | K   | K   |
|                | T/C: E | E   | E   |
|                | T/C: J | J   | J   |
|                | T/C: T | T   | T   |
|                | T/C: B | B   | B   |
|                | T/C: R | R   | R   |
|                | T/C: S | S   | S   |
|                | T/C: N | N   | N   |
|                | Others | X   | 0   |

#### MS3702 MS3763

| RTD | Input       | Old     | New |
|-----|-------------|---------|-----|
|     | Pt100 ohm   | Pt100   | P1  |
|     | JPt100 ohm  | JPt100  | J   |
|     | Pt50 ohm    | Pt50    | P5  |
|     | Ni508.4 ohm | Ni508.4 | N   |
|     | Others      | X       | Y   |

☞MS3763 is for Pt100 ohm only.

## Input Signal

## MS3706

| Pressure<br>or<br>Loadcell | Input                    | Old | New |
|----------------------------|--------------------------|-----|-----|
|                            | Excitation 5V DC         | E2  | E2  |
|                            | Excitation 10V DC        | E3  | E3  |
|                            | Specified excitation     | EY  | 0   |
|                            | 0-10mV                   | V2  | 1   |
|                            | 0-100mV                  | V3  | 2   |
|                            | +/-10mV                  | W2  | 1W  |
|                            | +/-100mV                 | W3  | 2W  |
|                            | Specified voltage signal | W3  | 2W  |

## MS3708 MS3709 MS3711

| Pulse | Input  | Old                | New |
|-------|--|--------------------|-----|
|       | Dry or Open Collector                                      | OP                 | O   |
|       | AC voltage pulse   | AP                 | A   |
|       | DC voltage pulse   | DP                 | D   |
|       | DC current pulse   | IP                 | I   |
|       | Specified input signal, threshold voltage other than above | DP(□-□/<br>SH□SL□) | Y   |

## MS3720

| CT      | Input   | Old | New |
|---------|---------|-----|-----|
|         | 0-1A AC | M1  | 1   |
| 0-5A AC | M2      | 5   |     |

## MS3721

| PT                       | Input     | Old | New |
|--------------------------|-----------|-----|-----|
|                          | 0-110V AC | N1  | 1   |
|                          | 0-150V AC | N2  | 2   |
|                          | 0-300V AC | N3  | 3   |
| Specified voltage signal | NX        | 0   |     |

## MS3728

| Tacho-<br>generator      | Input  | Old | New |
|--------------------------|--------|-----|-----|
|                          | 0-50mV | N1  | 1   |
|                          | 0-1V   | N2  | 2   |
|                          | 0-10V  | N3  | 3   |
|                          | 0-100V | N4  | 4   |
|                          | 0-200V | N5  | 5   |
| Specified voltage signal | NX     | 0   |     |

## MS3772

| RTD      | Input               | Old    | New |
|----------|---------------------|--------|-----|
|          | Pt100 ohm(ITS-90)   | ITS    | P1  |
|          | Pt100 ohm (IPTS-68) | IPTS   | P2  |
|          | JPt100 ohm          | JPt100 | J   |
| Pt50 ohm | Pt50                | P5     |     |

## MS3773

| Current<br>or<br>Voltage<br>Signal | Input Range | Old   | New |
|------------------------------------|-------------|-------|-----|
|                                    | 20mV        | 20mV  | 1   |
|                                    | 40mV        | 40mV  | 2   |
|                                    | 80mV        | 80mV  | 3   |
|                                    | 160mV       | 160mV | 4   |
|                                    | 320mV       | 320mV | 5   |
|                                    | 640mV       | 640mV | 6   |
|                                    | 1V          | 1V    | 7   |
| 2V                                 | 2V          | 8     |     |

## [Items to be specified on order]

☞ For thermocouple and RTD input, the measurement temperature range must be specified.  
(Ex.)MS3701-A-KA(0-1000 degree C)

☞ For pulse input, the measurement frequency range must be specified.  
(Ex.)MS3708-A-DA(0-500Hz)

☞ When the input/output code is "Z" for the specified current, "0" for the voltage or "Y" for the other signals, the input and output, and the measurement range should be entered in ().  
(Ex.)MS3704-A-0A(input 0-4V)

Output Signal

Common to all types:\*2(Refer to the footnote below)

| Current<br>or<br>Voltage<br>Signal | Output Signal            | Old | New |
|------------------------------------|--------------------------|-----|-----|
|                                    | 4-20mA                   | C1  | A   |
|                                    | 0-20mA                   | C2  | D   |
|                                    | Specified current signal | CY  | Z   |
|                                    | 0-10mV                   | V1  | 1   |
|                                    | 0-100mV                  | V3  | 2   |
|                                    | 0-1V                     | V4  | 3   |
|                                    | 0-5V                     | V5  | 5   |
|                                    | 0-10V                    | V6  | 4   |
|                                    | 1-5V                     | V1  | 6   |
|                                    | +/-10mV                  | W2  | 1W  |
|                                    | +/-100mV                 | W3  | 2W  |
|                                    | +1V                      | W4  | 3W  |
|                                    | +10V                     | W6  | 4W  |
|                                    | +5V                      | W5  | 5W  |
|                                    | Specified voltage signal | VX  | 0   |

MS3764

| Current or<br>Voltage<br>Signal | Output Signal(2ch) | Old | New |
|---------------------------------|--------------------|-----|-----|
|                                 | 4-20mA             | C1  | A   |
|                                 | 1-5V               | V1  | V   |

MS3771 MS3772 MS3773 MS3774

| Current<br>or<br>Voltage<br>Signal | Output Signal | Old | New |
|------------------------------------|---------------|-----|-----|
|                                    | 4-20mA/1-5V   | C1  | A1  |
|                                    | 4-20mA/4-20mA | C9  | A2  |
|                                    | 0-10V/0-10V   | V6  | 4W  |
|                                    | 0-5V/0-5V     | V5  | 5W  |
|                                    | 1-5V/1-5V     | V1  | 6W  |

\*2 Types applicable to direct current and voltage signals  
 MS3701 MS3702 MS3703 MS3704 MS3704IS MS3706 MS3707  
 MS3708 MS3710 MS3713 MS3714 MS3716 MS3717 MS3720  
 MS3721 MS3725 MS3728 MS3738 MS3739 MS3739IB MS3740  
 MS3761 MS3762 MS3763 MS3765

- ☞MS3704IS is for 4-20mA or 1-5V output only.
- ☞For MS3707 , +/-10mV, +/-100mV, +/-1V, +/-10V, and +/-5V are not available.

MS3705 MS3705HA

| Alarm<br>Setter | Output Function | Old      | New |
|-----------------|-----------------|----------|-----|
|                 | 1st output mode | RY1(H/L) | H/L |
|                 | 2nd output mode | RY2(H/L) | H/L |

MS3709 MS3711

| Pulse | Output Signal        | Old | New |
|-------|----------------------|-----|-----|
|       | TTL Level            | TT  | 1   |
|       | Open Collector       | OP  | 2   |
|       | DC voltage pulse 10V | V6  | 3   |
|       | DC voltage pulse 12V | V7  | 4   |

MS3729

| Pulse | Output Signal    | Old | New |
|-------|------------------|-----|-----|
|       | TTL Level        | TT  | 1   |
|       | Open Collector   | OP  | 2   |
|       | Photo Moss relay | MO  | 5   |

## Option

## Common to all types

| Option | Specified item | Old     | New     |
|--------|----------------|---------|---------|
|        | Nil            | No Mark | No Mark |
|        | Special order  | -       | /X      |

## Types applicable \*3(Refer to the footnote below.)

| Option | Specified item                         | Old       | New |
|--------|--|-----------|-----|
|        | Fast responsive type(10msec max:0-90%) | Tc:10msec | /K  |

## \*3 Types applicable to fast response specifications

(10msec max:0~90%)

MS3701 MS3702 MS3703 MS3704 MS3706 MS3707  
 MS3710 MS3713 MS3717 MS3725 MS3740 MS3761  
 MS3762 MS3763

MS3701 MS3771 MS3772 MS3773

| Option | Specified item      | Old | New |
|--------|---------------------|-----|-----|
|        | Burn-out:Down scale | BD  | /D  |

MS3709 MS3711

| Option | Sensor power supply | Old | New |
|--------|---------------------|-----|-----|
|        | 24V(2-wire)         | 2E1 | /A  |
|        | 12V(2-wire)         | 2E4 | /B  |
|        | 24V(3-wire)         | 3E1 | /C  |
|        | 12V(3-wire)         | 3E4 | /D  |

☞When multiple options are required, the code characters shall be entered in succession like/(KDX).

☞For further details of the specifying manner, refer to the specifications sheet for each type.

☞Items to be specified:For special orders  
 (Response time,Response Frequency,etc.)  
 (Ex.)/X(Response time 5msec max:0-90%)  
 (Response frequency 50Hz)