

ORDERING INFORMATION

MODEL : M1EXV-1

PLEASE FILL IN THIS SECTION



| |
|---------|
| Model |
| Company |
| Name |
| P/O No. |

FACTORY USE ONLY



| | |
|---------|-------------------------------|
| Job No. | Approved by (Sales office) |
| Ser No. | Issued by (Sales office) |
| Sales | Approved by (Factory) |
| | Set by (Factory) |

Ser No. _____

Specify the items you want to change.

Default setting will be used if not specified.

■ INPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------------|--|-----------------------------------|--|--------------------------|
| Input range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % input setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 1. | <input type="checkbox"/> |
| 100 % input setting | | 20.000 mA 5.000 V 10.000 V | | |
| Filter time constant*1 | | 0 sec. | Specify the range between 0 and 30 sec. | <input type="checkbox"/> |
| 0% Input scaling | | 0.00 | Specify within the range between -99999 and 999999. Decimal point position can be set arbitrarily | <input type="checkbox"/> |
| 100% Input scaling | | 100.00 | Specify within the range between -99999 and 999999. Decimal point position is same as 0 % input scaling. | <input type="checkbox"/> |
| Unit (INP scaling) | | % | Choose from the table 3, or specify from the table 4 'Settable characters' within 13 characters. | <input type="checkbox"/> |
| User's table linearization | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Disable | Specify enable or disable. Specify the table in the page 6 to 7. | <input type="checkbox"/> |

*1. Filter time constant

Set filter time constant of the first order lag filter. The first order lag filter is available with setting time. When '0' is set to this parameter, the first order lag filter is not available (Response time: ≤ 0.5 sec. (0 \rightarrow 90 %)). The first order lag filter is equivalent to general CR filter. The setting time constant is the time to follow until about 63 %, when input varies from 0 % to 100 %.

■ OUT1 OUTPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------------|--|-----------------------------------|---|--------------------------|
| Chanel enable | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Enable | Specify enable or disable. | <input type="checkbox"/> |
| Output range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| 100 % output setting | | 20.000 mA 5.000 V 10.000 V | | |
| User's table linearization | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Disable | Specify enable or disable. Specify the table in the page 8 to 9. | <input type="checkbox"/> |

■ OUT2 OUTPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------------|--|-----------------------------------|---|--------------------------|
| Chanel enable | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Enable | Specify enable or disable. | <input type="checkbox"/> |
| Output range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| 100 % output setting | | 20.000 mA 5.000 V 10.000 V | | |
| User's table linearization | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Disable | Specify enable or disable. Specify the table in the page 10 to 11. | <input type="checkbox"/> |

■ OUT3 OUTPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------------|--|-----------------------------------|---|--------------------------|
| Chanel enable | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Enable | Specify enable or disable. | <input type="checkbox"/> |
| Output range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| 100 % output setting | | 20.000 mA 5.000 V 10.000 V | | |
| User's table linearization | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Disable | Specify enable or disable. Specify the table in the page 12 to 13. | <input type="checkbox"/> |

■ OUT4 OUTPUT SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|----------------------------|--|-----------------------------------|---|--------------------------|
| Chanel enable | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Enable | Specify enable or disable. | <input type="checkbox"/> |
| Output range | <input type="checkbox"/> 0 to 20 mA DC <input type="checkbox"/> -5 to +5 V DC <input type="checkbox"/> -10 to +10 V DC | 0 to 20 mA DC | Choose among 3 types | <input type="checkbox"/> |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| 100 % output setting | | 20.000 mA 5.000 V 10.000 V | | |
| 0 % output setting | | 4.000 mA -5.000 V -10.000 V | Specify within settable range in the table 2. | <input type="checkbox"/> |
| User's table linearization | <input type="checkbox"/> Enable <input type="checkbox"/> Disable | Disable | Specify enable or disable. Specify the table in the page 14 to 15. | <input type="checkbox"/> |

■ OTHER SETTING

| ITEM | SET VALUE | DEFAULT VALUE | COMMENTS | Factory Internal check |
|---------------------|------------------|---------------------------------|--|--------------------------|
| Display1 setting | Upper: Lower: | Upper: INPUT Lower: OUTPUT 1 | Choose from the setting value in the table 5. | <input type="checkbox"/> |
| Display2 setting | Upper: Lower: | Upper: INPUT Lower: OUTPUT 2 | Choose from the setting value in the table 5. | <input type="checkbox"/> |
| Display3 setting | Upper: Lower: | Upper: INPUT Lower: OUTPUT 3 | Choose from the setting value in the table 5. | <input type="checkbox"/> |
| Display4 setting | Upper: Lower: | Upper: INPUT Lower: OUTPUT 4 | Choose from the setting value in the table 5. | <input type="checkbox"/> |
| Display change time | | 3 sec. | Specify the range from 0, 1 to 60 min. Set to '0' when the display need not switch automatically. | <input type="checkbox"/> |
| Brightness | | 4 | Specify among 1 (darkest) to 4 (brightest). | <input type="checkbox"/> |
| Display timeout | | 10 min. | Specify the range from 0, 1 to 60 min. Set '0' to display 'always on'. | <input type="checkbox"/> |

Table 1

| INPUT RANGE | | MIN. SPAN | SETTABLE RANGE |
|---------------|-----------------|-----------|----------------------|
| Current input | 0 to 20 mA DC | 1.000 mA | 0.000 to 20.000 mA |
| Voltage input | -5 to +5 mV DC | 0.250 V | -5.000 to +5.000 V |
| | -10 to +10 V DC | 1.000 V | -10.000 to +10.000 V |

Table 2

| OUTPUT RANGE | | MIN. SPAN | SETTABLE RANGE |
|----------------|-----------------|-----------|----------------------|
| Current output | 0 to 20 mA DC | 1.000 mA | 0.000 to 20.000 mA |
| Voltage output | -5 to +5 mV DC | 0.250 V | -5.000 to +5.000 V |
| | -10 to +10 V DC | 1.000 V | -10.000 to +10.000 V |

Table 3

AVAILABLE UNITS

DC, AC, mV, V, kV, μ A, mA, A, kA, mW, W, kW, var, kvar, Mvar, VA, Hz, Ω , k Ω , M Ω ,
 cm, mm, m, m/sec, mm/min, cm/min, m/min, m/h, m/s², inch, L,
 L/s, L/min, L/h, m³, m³/sec, m³/min,
 m³/h, Nm³/h, N·m, N/m², g, kg, kg/h, N, kN, Pa, kPa, Mpa, t, t/h,
 °C, °F, K, %RH, J, kJ, MJ, rpm, sec, min, min⁻¹, pH, %, ppm, deg, (blank),

Table 4

| SETTABLE CHARACTERS |
|--|
| 0 - 9 A - Z a - z ! " # \$ % & ' () = - + * ^ |
| @ ` [] { } ; : < > ? _ , . / |

Table 5**Upper**

| SETTING VALUE | DESCRIPTION |
|-----------------|------------------------------------|
| INPUT | Input engineering unit value |
| INPUT (Scaling) | Input scaling |
| PERCENT | Percent value*2 |
| OUTPUT | OUT1 output engineering unit value |
| OUTPUT | OUT2 output engineering unit value |
| OUTPUT | OUT3 output engineering unit value |
| OUTPUT | OUT4 output engineering unit value |
| None*3 | No display |

Lower

| SETTING VALUE | DESCRIPTION |
|-----------------|------------------------------------|
| INPUT | Input engineering unit value |
| INPUT (Scaling) | Input scaling |
| PERCENT | Percent value*2 |
| OUTPUT | OUT1 output engineering unit value |
| OUTPUT | OUT2 output engineering unit value |
| OUTPUT | OUT3 output engineering unit value |
| OUTPUT | OUT4 output engineering unit value |
| None*3 | No display |

*2. The value displayed is the value converted into 0.00 to 100.00% based on the input setting value.

*3. The upper part of 'Display1 setting' cannot be set to 'None'.

■ INPUT USER'S TABLE LINEARIZATION

Specify the input & output values and the units.

$X[n]$ = Input Value of n-th (mA, mV, V, %)

$Y[n]$ = Output Value of n-th (mA, mV, V, %)

$-5\% \leq X[n] \leq +105\%$, $-5\% \leq Y[n] \leq +105\%$, $X[n] < X[n+1]$

When scaling value is put, place the check mark on the check box.

The value is converted to %, and the value rounded off is entered to the unit.

| |
|------------------------------|
| Factory Internal check |
| <input type="checkbox"/> |

| n | X | Y | n | | |
|-----|--|--|-----|--|--|
| | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | | | |
| 001 | | | 026 | | |
| 002 | | | 027 | | |
| 003 | | | 028 | | |
| 004 | | | 029 | | |
| 005 | | | 030 | | |
| 006 | | | 031 | | |
| 007 | | | 032 | | |
| 008 | | | 033 | | |
| 009 | | | 034 | | |
| 010 | | | 035 | | |
| 011 | | | 036 | | |
| 012 | | | 037 | | |
| 013 | | | 038 | | |
| 014 | | | 039 | | |
| 015 | | | 040 | | |
| 016 | | | 041 | | |
| 017 | | | 042 | | |
| 018 | | | 043 | | |
| 019 | | | 044 | | |
| 020 | | | 045 | | |
| 021 | | | 046 | | |
| 022 | | | 047 | | |
| 023 | | | 048 | | |
| 024 | | | 049 | | |
| 025 | | | 050 | | |

■ INPUT USER'S TABLE LINEARIZATION

| | | | | | |
|-----|--|--|-----|--|--|
| 051 | | | 081 | | |
| 052 | | | 082 | | |
| 053 | | | 083 | | |
| 054 | | | 084 | | |
| 055 | | | 085 | | |
| 056 | | | 086 | | |
| 057 | | | 087 | | |
| 058 | | | 088 | | |
| 059 | | | 089 | | |
| 060 | | | 090 | | |
| 061 | | | 091 | | |
| 062 | | | 092 | | |
| 063 | | | 093 | | |
| 064 | | | 094 | | |
| 065 | | | 095 | | |
| 066 | | | 096 | | |
| 067 | | | 097 | | |
| 068 | | | 098 | | |
| 069 | | | 099 | | |
| 070 | | | 100 | | |
| 071 | | | 101 | | |
| 072 | | | 102 | | |
| 073 | | | 103 | | |
| 074 | | | 104 | | |
| 075 | | | 105 | | |
| 076 | | | 106 | | |
| 077 | | | 107 | | |
| 078 | | | 108 | | |
| 079 | | | 109 | | |
| 080 | | | 110 | | |
| | | | 111 | | |

■ OUT1 USER'S TABLE LINEARIZATION

Specify the input & output values and the units.

$X[n]$ = Input Value of n-th (mA, mV, V, %)

$Y[n]$ = Output Value of n-th (mA, mV, V, %)

$-5\% \leq X[n] \leq +105\%$, $-5\% \leq Y[n] \leq +105\%$, $X[n] < X[n+1]$

When scaling value is put, place the check mark on the check box.

The value is converted to %, and the value rounded off is entered to the unit.

| |
|---------------------------------------|
| Factory Internal check |
| <input type="checkbox"/> |

| n | X | Y | n | | |
|-----|--|--|-----|--|--|
| | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | | | |
| 001 | | | 026 | | |
| 002 | | | 027 | | |
| 003 | | | 028 | | |
| 004 | | | 029 | | |
| 005 | | | 030 | | |
| 006 | | | 031 | | |
| 007 | | | 032 | | |
| 008 | | | 033 | | |
| 009 | | | 034 | | |
| 010 | | | 035 | | |
| 011 | | | 036 | | |
| 012 | | | 037 | | |
| 013 | | | 038 | | |
| 014 | | | 039 | | |
| 015 | | | 040 | | |
| 016 | | | 041 | | |
| 017 | | | 042 | | |
| 018 | | | 043 | | |
| 019 | | | 044 | | |
| 020 | | | 045 | | |
| 021 | | | 046 | | |
| 022 | | | 047 | | |
| 023 | | | 048 | | |
| 024 | | | 049 | | |
| 025 | | | 050 | | |

■ OUT1 USER'S TABLE LINEARIZATION

| | | | | | |
|-----|--|--|-----|--|--|
| 051 | | | 081 | | |
| 052 | | | 082 | | |
| 053 | | | 083 | | |
| 054 | | | 084 | | |
| 055 | | | 085 | | |
| 056 | | | 086 | | |
| 057 | | | 087 | | |
| 058 | | | 088 | | |
| 059 | | | 089 | | |
| 060 | | | 090 | | |
| 061 | | | 091 | | |
| 062 | | | 092 | | |
| 063 | | | 093 | | |
| 064 | | | 094 | | |
| 065 | | | 095 | | |
| 066 | | | 096 | | |
| 067 | | | 097 | | |
| 068 | | | 098 | | |
| 069 | | | 099 | | |
| 070 | | | 100 | | |
| 071 | | | 101 | | |
| 072 | | | 102 | | |
| 073 | | | 103 | | |
| 074 | | | 104 | | |
| 075 | | | 105 | | |
| 076 | | | 106 | | |
| 077 | | | 107 | | |
| 078 | | | 108 | | |
| 079 | | | 109 | | |
| 080 | | | 110 | | |
| | | | 111 | | |

■ OUT2 USER'S TABLE LINEARIZATION

Specify the input & output values and the units.

$X[n]$ = Input Value of n-th (mA, mV, V, %)

$Y[n]$ = Output Value of n-th (mA, mV, V, %)

$-5\% \leq X[n] \leq +105\%$, $-5\% \leq Y[n] \leq +105\%$, $X[n] < X[n+1]$

When scaling value is put, place the check mark on the check box.

The value is converted to %, and the value rounded off is entered to the unit.

| |
|------------------------------|
| Factory Internal check |
| <input type="checkbox"/> |

| n | X | Y | n | | |
|-----|--|--|-----|--|--|
| | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | | | |
| 001 | | | 026 | | |
| 002 | | | 027 | | |
| 003 | | | 028 | | |
| 004 | | | 029 | | |
| 005 | | | 030 | | |
| 006 | | | 031 | | |
| 007 | | | 032 | | |
| 008 | | | 033 | | |
| 009 | | | 034 | | |
| 010 | | | 035 | | |
| 011 | | | 036 | | |
| 012 | | | 037 | | |
| 013 | | | 038 | | |
| 014 | | | 039 | | |
| 015 | | | 040 | | |
| 016 | | | 041 | | |
| 017 | | | 042 | | |
| 018 | | | 043 | | |
| 019 | | | 044 | | |
| 020 | | | 045 | | |
| 021 | | | 046 | | |
| 022 | | | 047 | | |
| 023 | | | 048 | | |
| 024 | | | 049 | | |
| 025 | | | 050 | | |

■ OUT2 USER'S TABLE LINEARIZATION

| | | | | | |
|-----|--|--|-----|--|--|
| 051 | | | 081 | | |
| 052 | | | 082 | | |
| 053 | | | 083 | | |
| 054 | | | 084 | | |
| 055 | | | 085 | | |
| 056 | | | 086 | | |
| 057 | | | 087 | | |
| 058 | | | 088 | | |
| 059 | | | 089 | | |
| 060 | | | 090 | | |
| 061 | | | 091 | | |
| 062 | | | 092 | | |
| 063 | | | 093 | | |
| 064 | | | 094 | | |
| 065 | | | 095 | | |
| 066 | | | 096 | | |
| 067 | | | 097 | | |
| 068 | | | 098 | | |
| 069 | | | 099 | | |
| 070 | | | 100 | | |
| 071 | | | 101 | | |
| 072 | | | 102 | | |
| 073 | | | 103 | | |
| 074 | | | 104 | | |
| 075 | | | 105 | | |
| 076 | | | 106 | | |
| 077 | | | 107 | | |
| 078 | | | 108 | | |
| 079 | | | 109 | | |
| 080 | | | 110 | | |
| | | | 111 | | |

■ OUT3 USER'S TABLE LINEARIZATION

Specify the input & output values and the units.

$X[n]$ = Input Value of n-th (mA, mV, V, %)

$Y[n]$ = Output Value of n-th (mA, mV, V, %)

$-5\% \leq X[n] \leq +105\%$, $-5\% \leq Y[n] \leq +105\%$, $X[n] < X[n+1]$

When scaling value is put, place the check mark on the check box.

The value is converted to %, and the value rounded off is entered to the unit.

| |
|------------------------------|
| Factory Internal check |
| <input type="checkbox"/> |

| n | X | Y | n | | |
|-----|--|--|-----|--|--|
| | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | | | |
| 001 | | | 026 | | |
| 002 | | | 027 | | |
| 003 | | | 028 | | |
| 004 | | | 029 | | |
| 005 | | | 030 | | |
| 006 | | | 031 | | |
| 007 | | | 032 | | |
| 008 | | | 033 | | |
| 009 | | | 034 | | |
| 010 | | | 035 | | |
| 011 | | | 036 | | |
| 012 | | | 037 | | |
| 013 | | | 038 | | |
| 014 | | | 039 | | |
| 015 | | | 040 | | |
| 016 | | | 041 | | |
| 017 | | | 042 | | |
| 018 | | | 043 | | |
| 019 | | | 044 | | |
| 020 | | | 045 | | |
| 021 | | | 046 | | |
| 022 | | | 047 | | |
| 023 | | | 048 | | |
| 024 | | | 049 | | |
| 025 | | | 050 | | |

■ OUT3 USER'S TABLE LINEARIZATION

| | | | | | |
|-----|--|--|-----|--|--|
| 051 | | | 081 | | |
| 052 | | | 082 | | |
| 053 | | | 083 | | |
| 054 | | | 084 | | |
| 055 | | | 085 | | |
| 056 | | | 086 | | |
| 057 | | | 087 | | |
| 058 | | | 088 | | |
| 059 | | | 089 | | |
| 060 | | | 090 | | |
| 061 | | | 091 | | |
| 062 | | | 092 | | |
| 063 | | | 093 | | |
| 064 | | | 094 | | |
| 065 | | | 095 | | |
| 066 | | | 096 | | |
| 067 | | | 097 | | |
| 068 | | | 098 | | |
| 069 | | | 099 | | |
| 070 | | | 100 | | |
| 071 | | | 101 | | |
| 072 | | | 102 | | |
| 073 | | | 103 | | |
| 074 | | | 104 | | |
| 075 | | | 105 | | |
| 076 | | | 106 | | |
| 077 | | | 107 | | |
| 078 | | | 108 | | |
| 079 | | | 109 | | |
| 080 | | | 110 | | |
| | | | 111 | | |

■ OUT4 USER'S TABLE LINEARIZATION

Specify the input & output values and the units.

$X[n]$ = Input Value of n-th (mA, mV, V, %)

$Y[n]$ = Output Value of n-th (mA, mV, V, %)

$-5\% \leq X[n] \leq +105\%$, $-5\% \leq Y[n] \leq +105\%$, $X[n] < X[n+1]$

When scaling value is put, place the check mark on the check box.

The value is converted to %, and the value rounded off is entered to the unit.

| |
|------------------------------|
| Factory Internal check |
| <input type="checkbox"/> |

| n | X | Y | n | | |
|-----|--|--|-----|--|--|
| | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | <input type="checkbox"/> Engineering value <input type="checkbox"/> Percent value <input type="checkbox"/> Scaling value | | | |
| 001 | | | 026 | | |
| 002 | | | 027 | | |
| 003 | | | 028 | | |
| 004 | | | 029 | | |
| 005 | | | 030 | | |
| 006 | | | 031 | | |
| 007 | | | 032 | | |
| 008 | | | 033 | | |
| 009 | | | 034 | | |
| 010 | | | 035 | | |
| 011 | | | 036 | | |
| 012 | | | 037 | | |
| 013 | | | 038 | | |
| 014 | | | 039 | | |
| 015 | | | 040 | | |
| 016 | | | 041 | | |
| 017 | | | 042 | | |
| 018 | | | 043 | | |
| 019 | | | 044 | | |
| 020 | | | 045 | | |
| 021 | | | 046 | | |
| 022 | | | 047 | | |
| 023 | | | 048 | | |
| 024 | | | 049 | | |
| 025 | | | 050 | | |

■ OUT4 USER'S TABLE LINEARIZATION

| | | | | | |
|-----|--|--|-----|--|--|
| 051 | | | 081 | | |
| 052 | | | 082 | | |
| 053 | | | 083 | | |
| 054 | | | 084 | | |
| 055 | | | 085 | | |
| 056 | | | 086 | | |
| 057 | | | 087 | | |
| 058 | | | 088 | | |
| 059 | | | 089 | | |
| 060 | | | 090 | | |
| 061 | | | 091 | | |
| 062 | | | 092 | | |
| 063 | | | 093 | | |
| 064 | | | 094 | | |
| 065 | | | 095 | | |
| 066 | | | 096 | | |
| 067 | | | 097 | | |
| 068 | | | 098 | | |
| 069 | | | 099 | | |
| 070 | | | 100 | | |
| 071 | | | 101 | | |
| 072 | | | 102 | | |
| 073 | | | 103 | | |
| 074 | | | 104 | | |
| 075 | | | 105 | | |
| 076 | | | 106 | | |
| 077 | | | 107 | | |
| 078 | | | 108 | | |
| 079 | | | 109 | | |
| 080 | | | 110 | | |
| | | | 111 | | |