

ORDERING INFORMATION

MODEL : 40DV

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.

DEFAULT shows values in case of nothing specified.

Desired Display SETTING

ITEM	RANGE	UNIT
INPUT		<input type="checkbox"/> : μ A <input type="checkbox"/> : mA <input type="checkbox"/> : A <input type="checkbox"/> : mV <input type="checkbox"/> : V
DISPLAY VALUE		

Ordering Information Example (Input: 4 – 20 mA; Display Value: 0.0 – 100.0%)

ITEM	RANGE	UNIT
INPUT	4 - 20	<input type="checkbox"/> : μ A <input checked="" type="checkbox"/> : mA <input type="checkbox"/> : A <input type="checkbox"/> : mV <input type="checkbox"/> : V
DISPLAY VALUE	0.0 - 100.0	%

Display Scaling range may be out of the available range responding to the Input and Display Value. Be sure that the display scaling values are within -9999 to 9999 with the formula in page 4. When the value is over the range, reduce the digits to display (refer to page 4).

SCALING SETTING

ITEM	AVAILABLE VALUE	FUNCTION	INPUT CODE	DEFAULT VALUE	SET VALUE	Factory Internal check
Display Scaling Value A	-9999 to 9999	Display value for 0% input *1	A1: $\pm 199.9 \mu$ A DC	-199.9		<input type="checkbox"/> Checked
			A2: ± 1.999 mA DC	-1.999		
			A3: ± 19.99 mA DC	-19.99		
			A4: ± 199.9 mA DC	-199.9		
			A5: ± 1.999 A DC	-1.999		
			A : 4-20 mA DC	4.00		
			V1: ± 199.9 mV DC	-199.9		
			V2: ± 1.999 V DC	-1.999		
			V3: ± 19.99 V DC	-19.99		
			V4: ± 199.9 V DC	-199.9		
			V5: ± 600 V DC	-600		
			6 : 1-5V DC	1.00		

ITEM	AVAILABLE VALUE	FUNCTION	INPUT CODE	DEFAULT VALUE	SET VALUE	Factory Internal check
Display Scaling Value B	-9999 to 9999	Display value for 100% input *1	A1: ±199.9 μA DC	199.9		<input type="checkbox"/> Checked
			A2: ±1.999mA DC	1.999		
			A3: ±19.99mA DC	19.99		
			A4: ±199.9mA DC	199.9		
			A5: ±1.999A DC	1.999		
			A : 4-20 mA DC	20.00		
			V1: ±199.9mV DC	199.9		
			V2: ±1.999V DC	1.999		
			V3: ±19.99V DC	19.99		
			V4: ±199.9V DC	199.9		
			V5: ±600V DC	600		
			6 : 1-5V DC	5.00		

*1. 0% input and 100% input mean the default values according to the input code.

■ DISPLAY SETTING

ITEM	AVAILABLE VALUE	FUNCTION	DEFAULT VALUE	SET VALUE	Factory Internal check
Moving Average	AoFF	No moving averaging	AoFF	<input type="checkbox"/> AoFF	<input type="checkbox"/> Checked
	A2	Moving average with 2 samples		<input type="checkbox"/> A2	
	A4	Moving average with 4 samples		<input type="checkbox"/> A4	
	A8	Moving average with 8 samples		<input type="checkbox"/> A8	
Brightness	C1	Brightness level 1 (dark)	C5	<input type="checkbox"/> C1	<input type="checkbox"/> Checked
	C2	Brightness level 2		<input type="checkbox"/> C2	
	C3	Brightness level 3		<input type="checkbox"/> C3	
	C4	Brightness level 4		<input type="checkbox"/> C4	
	C5	Brightness level 5 (bright)		<input type="checkbox"/> C5	

■ ENGINEERING UNIT STICKER LABEL

ITEM	AVAILABLE RANGE		SET VALUE	DEFAULT VALUE	Factory Internal check
Engineering unit	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/s ² , inch, ℓ , ℓ /s, ℓ /min, ℓ /h, m ³ , m ³ /sec, m ³ /min, m ³ /h, Nm ³ /h, N·m, N/m ² , g, kg, kg/h, N, kN, Pa, kPa, MPa, t, t/h, °C, °F, %RH, J, kJ, MJ, rpm, sec, min, pH, %, ppm	Select one if necessary.		none	<input type="checkbox"/> Checked

*Location of the sticker label



■ ABOUT SCALING

•Scaling values

1) Calculate "Display Scaling Value A" and "Display Scaling Value B" with following formula.

$$SA = (Rz \times Dspan + Dz \times Is - Ds \times Iz) / Ispan$$

$$SB = (Rs \times Dspan + Dz \times Is - Ds \times Iz) / Ispan$$

Iz: 0% value of input

Is: 100% value of input

Dz: Display value for 0% input

Ds: Display value for 100% input

Rz: 0% value of conformance range

Rs: 100% value of conformance range

Dspan: Display span (Ds - Dz)

Ispan: Input span (Is - Iz)

2) Confirm that the calculated values are between -9999 and 9999.

When Rz = Dz and Rs = Ds, scaling is not necessary.

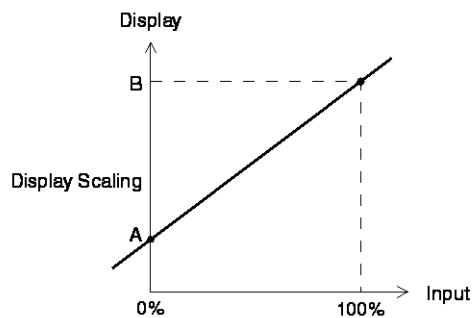
3) If the value(s) is(are) out of the range, decrease the digits to display and calculate again.

Repeat until the values are within the range and write down the values on this sheet.

•Normal Scaling and Inverted Scaling

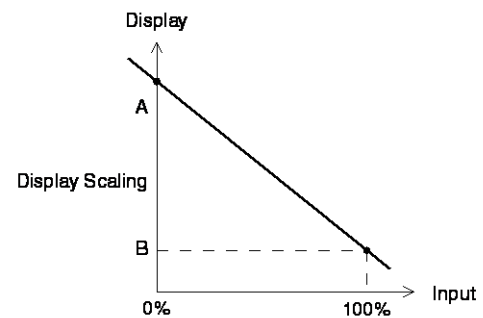
• Normal Scaling

The display value increases when the input signal increases.



• Inverted Scaling

The display value decreases when the input signal increases.



The decimal point position can be set to any digit. Set it according to the 100% value.