

How to Change Analog Values to Real values.

Temperature Range 0-70 Degree Celsius, Relative Humidity Range: 0-100%

Eg. Voltage value of temperature sensor to Real Temperature Value. Voltage Range was 0-10 Volts

- Temperature = Voltage * 7
- Relative Humidity = Voltage * 10

Voltage	Temperature	Relative Humidity
0	0	0
0.5	3.5	5
1	7	10

The screenshot shows a web browser window with the URL https://192.168.1.26/cgi_s_alu.arithmetic. The page is titled "Arithmetic" and features a sidebar menu on the left with options: Status, Data points, Gateway, ALU (selected), Logic, Arithmetic, Functions, Data logger, Messages, Events, Administration, and Help. The main content area displays a table with columns: active, Name, Formula, and Description. Two entries are listed: "arithmetic1" with formula "aInput1 x 100" and description "humidity", and "arithmetic2" with formula "aInput2 x 70" and description "temperature". Both entries are checked in the "active" column. Below the table is a "Save settings" button. The browser's address bar shows "Not secure" and the page is loaded from a local IP address. The Windows taskbar at the bottom shows the time as 15:16 and the language as ENG.

active	Name	Formula	Description
<input checked="" type="checkbox"/>	arithmetic1	aInput1 x 100	humidity
<input checked="" type="checkbox"/>	arithmetic2	aInput2 x 70	temperature

Browser tabs: New Tab, iCRM, icom Data Suite MRX5. Address bar: Not secure | https://192.168.1.26/cgi_s_alu.arithmetic-edit?inst1=1. Language: ENG. iSYS i.com logo.

Arithmetic

Name: arithmetic1
Description: temperature
Formula: aInput1 - temperature x Value
Output data point: arithmetic1

Additionally assign output value to:

- ☐ mdbDp46 - Active Power -avg
- ☐ mdbDp60 - Line to Line avg Voltage
- ☐ mdbDp61 - Avg Current
- ☐ mdbDp62 - R-Y phase Voltage
- ☐ mdbDp63 - R-phase Current
- ☐ mdbDp64 - Y_B phase Voltage

Save settings

Language dropdown: ENG English (United States) English (India) keyboard, ENG English (India) English (India) keyboard

Browser tabs: New Tab, iCRM, icom Data Suite MRX5. Address bar: Not secure | https://192.168.1.26/cgi_s_alu.arithmetic-edit?inst1=2. Language: ENG. iSYS i.com logo.

Arithmetic

Name: arithmetic2
Description: humidity_real
Formula: aInput2 - humidity x Value
Output data point: arithmetic2

Additionally assign output value to:

- ☐ mdbDp46 - Active Power -avg
- ☐ mdbDp60 - Line to Line avg Voltage
- ☐ mdbDp61 - Avg Current
- ☐ mdbDp62 - R-Y phase Voltage
- ☐ mdbDp63 - R-phase Current
- ☐ mdbDp64 - Y_B phase Voltage

Save settings

Language dropdown: ENG English (United States) English (India) keyboard, ENG English (India) English (India) keyboard

Browser tabs: New Tab, ICRM, icom Data Suite MRX5. Address bar: Not secure | https://192.168.1.26/cgi_s_alu.arithmetic-edit?inst1=2. INSYS icom logo.

Arithmetic

Name: arithmetic2
Description: humidity_real
Formula: ainput2 - humidity x Value
Output data point: arithmetic2

Additionally assign output value to:

- ☐ mdbDp46 - Active Power -avg
- ☐ mdbDp60 - Line to Line avg Voltage
- ☐ mdbDp61 - Avg Current
- ☐ mdbDp62 - R-Y phase Voltage
- ☐ mdbDp63 - R-phase Current
- ☐ mdbDp64 - Y_B phase Voltage

Save settings

Browser tabs: New Tab, ICRM, icom Data Suite MRX5. Address bar: Not secure | https://192.168.1.26/cgi_s_status.values. ENG 15:17.

mdbDp67 - B_phase Current		-1.58865e+25
mdbDev3 - Modbus-Gateway_Schneider PM...		Online
mdbDp47 - Control Mode Status		65535
mdbDp48 - Source Register A		65535
mdbDp49 - Number of Phases		4
mdbDp50 - Active Energy Delivered □...		25831.4
mdbDp51 - Active Power Total(KW)		19.3825
mdbDp52 - Current A		27.1257
mdbDp53 - Current B		27.4146
mdbDp54 - Current C		27.1443
mdbDp55 - Voltage A-B		408.549
mdbDp56 - Voltage B-C		413.637
mdbDp57 - Voltage C-A		412.594
mdbDp58 - Cycle Count		2147516416
mdbDp59 - Reset Power Fail Counter		32768
mdbDp68 - Current Avg		27.2282
mdbDp69 - Voltage L-L Avg		411.593
mdbDev1 - Schneider PM5563		Inactive
mdbDev2 - Schneider PM2220D		Inactive

Logic

logic1 - text into number	0
logic2 - text into number	1
logic3 - text into number	0

Arithmetic

arithmetic1 - temperature_real	23.233
arithmetic2 - humidity_real	69.34

ENG 15:18