

unio NIVEAU

Product:**unio NIVEAU**

Status:

22.07.2024

unio**unio+**

Inputs	4x analog or digital and 4x remote sensors (feature activation)	4x analog or digital and 4x remote sensors (feature activation)
Input configuration	0...20mA / 4...20mA	0...20mA / 4...20mA
	0...2V / 0...10V	0...2V / 0...10V
	PWM	PWM
	Frequency	Frequency
Measuring range / Resolution	Digital / Counter	Digital / Counter
	0...20mA / 4...20mA: 6.3µA, load 96R	0...20mA / 4...20mA: 6.3µA, load 96R
	0...2V: 610µV	0...2V: 610µV
	0...10V: 7.97mV	0...10V: 7.97mV
	PWM: 100Hz	PWM: 100Hz
	Frequency: 1kHz	Frequency: 1kHz
Sensor supply	Digital: 100ms	Digital: 100ms
	Counter: 1ms	Counter: 1ms
	2 x switchable 3.3V supply (max. 180mA)	2 x switchable 3.3V supply (max. 180mA)
	1 x switchable and from 1 second adjustable sensor supply range 5...24V	1 x switchable and from 1 second adjustable sensor supply range 5...24V
Temperature sensor	Input 1x PT100/1000	Input 1x PT100/1000
Internal sensors and measured values	Input voltage	Input voltage
	SOC (state of charge)	SOC (state of charge)
	Battery life in days	Battery life in days
	Mobile phone strength	Mobile phone strength
Serial interfaces, Bus interfaces	Humidity and temperature in the device	Humidity and temperature in the device
	1x RS232 (feature activation)	1x RS232 (feature activation)
	1 x RS485 (feature activation)	1 x RS485 galvanically isolated (option)
		1 x RS485 (feature activation)
Outputs		1x SDI 12 (option)
	1x potential-free switching contact	1x potential-free switching contact
Supply	Battery or rechargeable battery	Battery or rechargeable battery
	PV or direct supply from 9...32VDC	Battery or rechargeable battery PV or direct supply
	PSU supply concept	PSU supply concept
Battery life	Battery life up to 5 years	Battery life up to 5 years
	Battery life up to 2 years	Battery life up to 2 years
Protection class	IP66	IP66 / IP68 (IP68: 105days@1m)
Display	RGB-LED	RGB-LED
		1,5" Full Color Display (option)
Dimensions	86 x 175 x 64mm (without antenna)	130 x 250 x 78mm (without antenna)
Data transmission	2G/M1/NB1 World	2G/M1/NB1 World
		2G/3G/4G World

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Level sensor

Measuring range:	0..10 meters water column
Accuracy:	0,10%
Medium suitability:	drinking water, water
Permissible medium temperature:	-20..+80 °C (icing not permitted)
Materials in contact with medium:	Stainless steel 316L / Viton / PE
Protection class:	IP68
Dimensions without plug, without cable:	28.5x48x61 mm
Sensor cable:	15 m, 5x0.22 mm², shielded, D=7.3 mm
EMC conformity:	EN 61006-6-1 to -6-4
	EN 61326-1 and -2-3