

Loop Powered Displays

www.nokeval.com, sales@nokeval.com, tel. +358-3-3424 800, fax. +358-3-3422 066

- Displays
- Large Displays
- Transmitters
- Converters
- Wireless Transmitters
- Software
- Sensors

201/202/211/212

301/302/311/312

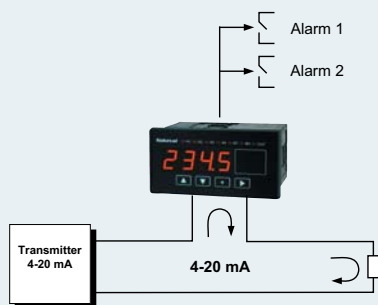
Loop powered displays do not need external power supply



Depth of the case is only 70 mm

	Loop Powered Displays		Loop Powered Displays		Loop Powered Display	2 wire Panel Meters		2 wire Field Displays	
Model	201	202	301	302	305	211	212	311	312
Manufacturer	Nokeval		Nokeval		Nokeval	Nokeval		Nokeval	
Enclosure	96 x 48 x 70 mm WHD		100 x 100 x 57 mm WHD		80 x 80 x 57 mm WHD	96 x 48 x 70 mm WHD		100 x 100 x 57 mm WHD	
Digit size	14.5 mm		14.5 mm		14.5 mm	14.5 mm		14.5 mm	
Number of digits	4 digits		4 digits		4 digits	4 digits		4 digits	
Display color	Red LED		Red LED		Red LED	Red LED		Red LED	
Inputs	4-20 mA (Loop powered) Operating energy from input loop		4-20 mA (Loop powered) Operating energy from input loop		4-20 mA (Loop powered) Operating energy from input loop	Thermocouples: T type max. 400°C K, N 1200°C J,J/DIN, E 900°C S,R,B,G 1700°C C,D 2200°C Pt100 -200...+700°C 4..20 mA/0..10V, 0..100 mV		Thermocouples: T type max. 400°C K, N 1200°C J,J/DIN, E 900°C S,R,B,G 1700°C C,D 2200°C Pt100 -200...+700°C 4..20 mA/0..10V, 0..100 mV	
Accuracy	0.05% of span		0.05% of span		0.05% of span	0.05% of span		0.05% of span	
Resolution	1 / 32 000, 15 bit		1 / 32 000, 15 bit		1 / 32 000, 15 bit	1 / 32 000, 15 bit		1 / 64 000, 16 bit	
Galvanic isolation						Input isolation >1000 V		Input isolation >1000 V	
Scaling of display	By front keys		By front keys		By front keys	By front keys		By front keys	
Special functions	Square root		Square root		Square root	6 points XY linearization		6 points XY linearization	
Alarms: 2 relays, 240 VAC, 150 mA		Low or high		Low or high	-		Low or high		Low or high
Protection class	Front panel IP65		IP65		IP65	Front panel IP65		IP65	
Power supply or voltage drop	Max. voltage drop in current loop < 5 V For model 202 < 7.5 V		Max. voltage drop in current loop < 5 V For model 302 < 7.5 V		Max. voltage drop in current loop < 5 V	Power supply range 10..32 VDC (211) or 12.5..32 V (212)		Power supply range 10..32 VDC (311) or 12.5..32 V (312)	
Note	Low cost solution for current loop 4-20 mA. Easy installation without external power supply.		Low cost solution for current loop 4-20 mA. Easy installation without external power supply.		Low cost solution for current loop 4-20 mA. Easy installation without external power supply.	2 wire display can be also used without current output by connecting 13..24 VDC to output terminal.		2 wire display can be also used without current output by connecting 13..24 VDC to output terminal.	
Model	201	202	301	302	305	211	212	311	312
Price	150 €	175 €	160 €	185 €	150 €	210 €	250 €	210€	250 €

Loop powered display 201 and 202



2 wire display 311 and 312 with galvanic isolated output 4-20 mA

