

Preset counters electronic

2 presets, serial interfaces

Large 14 mm display LED, 6-digits, programmable

NE214



NE214 - LED Preset counter

Technical data - electrical ratings

Voltage supply	115/230 VAC $\pm 10\%$ (50/60 Hz) 24/48 VAC $\pm 10\%$ (50/60 Hz) 24 VDC $\pm 10\%$
Power consumption	7 VA, 5 W
Sensor supply	12...26 VDC / max. 100 mA
Display	LED, 7-segment display
Number of digits	6-digits
Digit height	14 mm
Function	Preset counter Main counter with 2 presets Batch counter with 1 preset Totalizer Hour counter
Scaling factor	0.0001...9999.99
Multplier / batch counter	1...999
Count modes	Adding or subtracting A-B (difference counting) A+B total (parallel counting) Up/Down A 90° B phase evaluation
Counting frequency	3 Hz, 25 Hz, 10 kHz programmable
Operating modes	Step preset, Main preset, Parallel alignment, Trailing preset
Data memory	>10 years in EEPROM
Reset	Button, electric or automatic
Outputs electronic	Optocoupler
Outputs relay	Potential-free change-over contact
Output holding time	0.01...99.99 s
Analogue output	0(2)...10 V, 0(4)...20 mA
Interfaces	RS232, RS422, RS485

Features

- Preset counter with two presets
- Display 6-digits
- Batch counter, totalizer, hour counter
- Operating mode, start count, scaling factor, momentary signal time programmable
- Connection: Incremental encoder or digital sensors
- Batch counter with multiplier
- Preset mode programmable
- Interface RS232, RS422 or RS485

Technical data - electrical ratings

Standard	Protection class II
DIN EN 61010-1	Overvoltage category II
	Pollution degree 2
Emitted interference	DIN EN 61000-6-3
Interference immunity	DIN EN 61000-6-2
Programmable parameters	Operating modes Sensor logic Scaling factor Count mode Control inputs
Approvals	UL/cUL, CE conform

Technical data - mechanical design

Operating temperature	0...+50 °C
Storing temperature	-20...+70 °C
Relative humidity	80 % non-condensing
E-connection	Plug-in screw terminals
Core cross-section	1.5 mm ²
Protection DIN EN 60529	IP 65 face with seal
Operation / keypad	Membrane with softkeys
Housing type	Built-in housing
Dimensions W x H x L	96 x 48 x 124 mm
Installation depth	124 mm
Mounting	Clip frame
Cutout dimensions	92 x 45 mm (+0.6)
Materials	Housing: Makrolon 6485 (PC) Keypad: Polyester
Weight approx.	350 g (AC), 250 g (DC)

