

# Counters

## Product Program



Official Distribution Partner

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**HENGSTLER**  
BEYOND THE STANDARD

## tico 731



## tico 732



	Electronic Counters	Electronic Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Small, compact in DIN size: 24 x 48 mm</li> <li>&gt; 5 different versions: Totalizing counter, Timer, Tachometer, 2-channel position indicator and Counter with differential mode</li> <li>&gt; 8-digit LCD- or 6-digit LED-display</li> <li>&gt; Different supply voltages available: <ul style="list-style-type: none"> <li>- independent of mains supply with lithium battery</li> <li>- 12-24 VDC supply, 12-250 VAC/VDC</li> </ul> </li> <li>&gt; Programmable count input for voltage signal or contact</li> <li>&gt; Frequency 7,5 kHz or 30 Hz</li> <li>&gt; RESET: reset input with contact</li> <li>&gt; KEYLOCK: locking of the reset key</li> <li>&gt; UL Certified</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Multifunctional counter series, used as totalizing and preset counter, tachometer, time counter, shift or batch counter</li> <li>&gt; DIN size: 48 x 48 mm</li> <li>&gt; 6-digit, high contrast LED display or reflective LCD display</li> <li>&gt; Bi-directional multifunctional counter</li> <li>&gt; Various voltage supplies: 12-24 VDC; 115 VAC or 230 VAC</li> <li>&gt; 1 or 2 presets</li> <li>&gt; Input frequency up to 5 kHz</li> <li>&gt; Freely adjustable prescaling</li> <li>&gt; Programmable keyboard lock</li> <li>&gt; Easily programmable via front button keypad</li> <li>&gt; UL Certified</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Totalizing</li> <li>&gt; Produced quantity counting</li> <li>&gt; Production counting</li> <li>&gt; Length measuring (in combination with encoder)</li> <li>&gt; Small machinery</li> <li>&gt; Packaging machines</li> <li>&gt; Crimping machines</li> <li>&gt; Speed monitoring and position monitoring</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Display and control unit in any automation and machinery application</li> <li>&gt; Packaging machines</li> <li>&gt; Wood processing machines</li> <li>&gt; Assembly and handling small machines</li> <li>&gt; Conveyor and transportation automation</li> <li>&gt; Small milling and grinding machines</li> <li>&gt; Laboratory equipment</li> <li>&gt; Speed monitoring and position monitoring</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Process industry</li> <li>&gt; Food and beverages</li> </ul>

## tico 772/773/774



## Signo 721



	Electronic Counters	Electronic Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Multifunctional, universally applicable as preset and totalizing counter, time counter, tachometer, 2-shift counter and batch counter</li> <li>&gt; DIN size: 48 x 48 mm</li> <li>&gt; Type 773: with USB interface, type 774: with RS232 interface</li> <li>&gt; 2 line; 6- and 6-digit display</li> <li>&gt; Four different backlight colours with adjustable backlighting</li> <li>&gt; Easy to operate</li> <li>&gt; Input frequency up to 60 kHz</li> <li>&gt; Easy installation via plug-in terminals</li> <li>&gt; 3 presets</li> <li>&gt; UL Certified</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Preset counter</li> <li>&gt; DIN size: 48 x 48 mm</li> <li>&gt; Most simple handling</li> <li>&gt; Input counting frequency up to 60 kHz</li> <li>&gt; Various VAC and VDC input voltages</li> <li>&gt; Different display types: reflective LCD, transmissive LCD black or red digits</li> <li>&gt; 2-line; 5- and 6-digit display</li> <li>&gt; 1 or 2 relays</li> <li>&gt; Counting frequency up to 60 kHz</li> <li>&gt; Easy installation by pluggable terminals</li> <li>&gt; UL Certified</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Display and control unit in any automation and machinery application</li> <li>&gt; Packaging Machines</li> <li>&gt; Ceramic production machinery</li> <li>&gt; Food and beverages industry machinery</li> <li>&gt; Wood processing machines</li> <li>&gt; Assembly and handling small machines</li> <li>&gt; Conveyor and transportation automation</li> <li>&gt; Small milling and grinding machines</li> <li>&gt; Laboratory equipment</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Display unit in any automation and machinery application</li> <li>&gt; Packaging Machines</li> <li>&gt; Conveyor and transportation automation</li> <li>&gt; Small milling and grinding machines</li> <li>&gt; Laboratory equipment</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Process industry</li> <li>&gt; Food and beverages</li> </ul>

## tico 735A



## Self-Powered Counter 750



### Process Indicators

- > Process indicator for AC/DC Voltage, DC Process and as a general display
- > DIN size: 48 x 96 mm
- > "Awesome" 18 mm high digit LED display with 2 colours programmable
- > 90-264 VAC, 20-50 VAC/VDC
- > Up to 2 relays
- > Optional Communication interface RS 485
- > With 4-20 mA analog output
- > UL Certified

- > Display unit for Process Automation
- > Control panels
- > Laboratory equipment
- > Pharmaceutical processing machines"

- > Process Automation
- > Food and beverages
- > Chemical

### Self-powered Counters

- > Simple, innovative and cost effective
- > ATEX certification for Gas
- > Fully customizable product according customer application
- > No power supply required
- > Extreme shock and vibration resistant
- > Most compact design of its class: 36.5 mm mounting depth and 28 mm diameter
- > Suitable for all fluid media types: water, gas, etc.
- > Applicable as for preventive maintenance tool for counting cycles of an equipment or tools
- > Easy and fast field installation
- > Fraud protection
- > Various communication protocols applicable: NAMUR, HART, MBUS, Wireless

- > Electronic consumption data acquisition in custom gas meters for areas exposed to explosive hazards
- > Gas meters
- > Systems for preventive maintenance

- > Factory automation
- > O&G
- > Water and fluids metering

## 635 AC mini "iw"



## 634/635 DC mini "i"



### Electromechanical Counters

- > Small AC voltage counter (50 and 60Hz)
- > 6-digit
- > Without reset function
- > Small mounting dimensions
- > Low power consumption
- > Easy to install
- > Protection class IP 66

- > Various machines
- > Electrical machine installations

- > Factory automation
- > Machine building

### Electromechanical Counters

- > Incremental totalizing counters
- > 6- or 7-digit
- > Various DC versions
- > Without reset function
- > Type 634: high magnetic resistance
- > Type 635: high shock stability
- > Low power consumption
- > Standard electrical connections
- > Suitable for PCB mounting
- > Machine-solderable and washable (type .1 and .3)
- > Protection class IP65, IP66
- > Models with extended temperature range available

- > Small machines
- > Gaming
- > Petrol stations

- > Factory automation
- > Machine building
- > Elevator

## 635 AC/DC mini "i" DIN



## 636 DC hour meter - **NEW**



	Electromechanical Counters	Electromechanical Time Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Totalizing counters</li> <li>&gt; 6- or 7-digit</li> <li>&gt; Various AC, DC and AC/DC versions</li> <li>&gt; Without reset function</li> <li>&gt; Low power consumption</li> <li>&gt; DIN-rail attachment</li> <li>&gt; Wide voltage range</li> <li>&gt; Screw-type terminals</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; Standard cutout size 37x24mm</li> <li>&gt; 7-digit</li> <li>&gt; 5 - 30 VDC</li> <li>&gt; Without reset function</li> <li>&gt; Best-in-class mounting depth of 44mm</li> <li>&gt; Fully sealed - IP 67</li> <li>&gt; Wide temperature range</li> <li>&gt; Low power consumption</li> <li>&gt; Standard electrical connection - 6,3mm [1/4"] male blade</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Switches or any counts measuring in switch cabinet installations</li> <li>&gt; Electrical machine installations</li> <li>&gt; Elevators</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural vehicles and machines</li> <li>&gt; Diesel generators</li> <li>&gt; Compressors</li> <li>&gt; OHV's</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Medical</li> <li>&gt; OHV</li> <li>&gt; Agriculture</li> </ul>

## 633 DC mini "h"



## 633 AC mini "h"



	Electromechanical Time Counters	Electromechanical Time Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; 6- or 7-digit</li> <li>&gt; High shock resistance</li> <li>&gt; Without reset function</li> <li>&gt; Small dimensions</li> <li>&gt; Low power consumption</li> <li>&gt; Standard electrical connections</li> <li>&gt; Suitable for PCB mounting</li> <li>&gt; Type 0633.0 machine-solderable and washable</li> <li>&gt; Protection class IP 66</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; 6-digit</li> <li>&gt; 24, 115, 230 VAC</li> <li>&gt; 50, 60 Hz</li> <li>&gt; Without reset function</li> <li>&gt; Small dimensions</li> <li>&gt; Low power consumption</li> <li>&gt; Quiet operation</li> <li>&gt; Protection class IP 66</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Machine / Working hours measuring</li> <li>&gt; Dialysis machines</li> <li>&gt; Small OHV's</li> <li>&gt; Agriculture vehicles</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Machine / Working hours measuring</li> <li>&gt; Electrical machinery</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Medical</li> <li>&gt; OHV</li> <li>&gt; Agriculture</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>

## 633 DC mini "i" DIN



## 891 DIN



Electromechanical Time Counters	Electromechanical Time Counters
<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; 7-digit</li> <li>&gt; Various DC versions</li> <li>&gt; Without reset function</li> <li>&gt; Low power consumption</li> <li>&gt; DIN-rail attachment</li> <li>&gt; Low power consumption</li> <li>&gt; Screw terminal connection</li> <li>&gt; Suitable for switch cabinet installation</li> <li>&gt; Snap-on attachment for 35 mm (0.20 in) DIN-rail</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; 7-digit</li> <li>&gt; Without reset function</li> <li>&gt; DIN dimensions: 24 x 48 mm; 48 x 48 mm and 72 x 72 mm via adapter frames</li> <li>&gt; Easy-to-read display</li> <li>&gt; Screw-type terminal connections</li> <li>&gt; UL Certified</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Machine / Working hours measuring in switch cabinet installations</li> <li>&gt; Electrical machine installations</li> <li>&gt; Elevators</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Compressors</li> <li>&gt; Electrical machines</li> <li>&gt; Crimping Machines</li> <li>&gt; Injection Moulding Machines</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Elevator</li> </ul>

## 891 "Surface"



## 853



Electromechanical Time Counters	Electromechanical Counters
<ul style="list-style-type: none"> <li>&gt; Surface mounting or DIN-rail attachment</li> <li>&gt; See 891 type</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Totalizing counter</li> <li>&gt; Surface mounting</li> <li>&gt; Various VAC and VDC versions</li> <li>&gt; 6-digit</li> <li>&gt; Button reset, key reset</li> <li>&gt; Simple installation</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Machine / Working hours measuring in switch cabinet installations</li> <li>&gt; Electrical machine installations</li> <li>&gt; Elevators</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Production lines</li> <li>&gt; Automation applications where built-in version is not suitable</li> <li>&gt; Packaging machines</li> <li>&gt; Crimping machines</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Elevator</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Process industry</li> </ul>

## 464-468



## Piccolo 872-877



	Electromechanical Counters	Electromechanical Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; 4-, 6- or 8-digit display</li> <li>&gt; Various VAC and VDC versions</li> <li>&gt; With manual/electrical reset or without reset</li> <li>&gt; Plugs into modular system 400</li> <li>&gt; Can be combined with other counters in the Modular System 400</li> <li>&gt; Convenient for service</li> <li>&gt; Easy maintenance through plug-in system</li> <li>&gt; UL Certified</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Totalizing counters</li> <li>&gt; Small mounting dimensions</li> <li>&gt; 4-, 5-, 6- or 7-digit display</li> <li>&gt; Various VAC and VDC versions</li> <li>&gt; AMP connector connection</li> <li>&gt; Button reset or without reset</li> <li>&gt; Simple installation</li> <li>&gt; UL Certified</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Production lines</li> <li>&gt; Packaging machines</li> <li>&gt; Crimping machines</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Production lines</li> <li>&gt; Packaging machines</li> <li>&gt; Crimping machines</li> <li>&gt; Coffee machines</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Process automation</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Process industry</li> </ul>

## 864-868



## 478



	Electromechanical Time Counters	Electromechanical Time Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; 4-, 6- or 8-digit display</li> <li>&gt; For front panel mounting</li> <li>&gt; VAC and VDC versions</li> <li>&gt; With manual/electrical reset or without reset</li> <li>&gt; Simple installation</li> <li>&gt; Convenient for service</li> <li>&gt; Various front panel sizes</li> <li>&gt; UL Certified</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Time counters</li> <li>&gt; 6-digit, button reset</li> <li>&gt; 7-digit without reset</li> <li>&gt; Various AC and DC versions</li> <li>&gt; Manual reset, key reset or without reset</li> <li>&gt; Simple installation</li> <li>&gt; Can be combined in the modular system 400</li> <li>&gt; Easy maintenance</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Production lines</li> <li>&gt; Packaging machines</li> <li>&gt; Crimping machines</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Electrical cabinets</li> <li>&gt; Electrical machines</li> <li>&gt; Crimping Machines</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; Process automation</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>



446-447



886-887



## Electromechanical Preset Counters

- > Subtracting preset counters
- > 3- or 5-digit
- > Various VAC and VDC versions
- > Button, electrical or key reset
- > Plugs into modular system 400
- > Preset constantly visible
- > Simple installation
- > Easy maintenance

- > Production lines
- > Packaging machines
- > Crimping machines"

- > Factory automation
- > Machine building
- > Process industry"

## Electromechanical Preset Counters

- > Adding preset counters
- > 3- or 5-digit
- > Various VAC and VDC versions
- > Button, electrical or key reset
- > Preset constantly visible
- > Front panel mounting
- > Simple installation via screw attachment
- > Easy maintenance

- > Production lines
- > Packaging machines
- > Crimping machines

- > Factory automation
- > Machine building
- > Process industry

486-487



651 Pulse Scaler



## Electromechanical Preset Counters

- > Adding preset counters
- > 3- or 5-digit
- > Various VAC and VDC versions
- > Button, electrical or key reset
- > Plugs into modular system 400
- > Preset constantly visible
- > Simple installation
- > Easy maintenance

- > Production lines
- > Packaging machines
- > Crimping machines

- > Factory automation
- > Machine building
- > Process industry"

## Electronic Pulse Scalers

- > Programmable pulse scaling factor up to 2047:1
- > NAMUR generator input
- > DIN-rail attachment
- > PNP transistor output
- > Can be used as pulse shaper
- > Max. pulse frequency 5 kHz

- > Electronic and electromechanical applications where pulses need to be rescaled

- > Factory automation
- > Machine building

## Colibri 490



## 101/103/301/309



	Mechanical Counters (With Magnetic Actuation)	Mechanical Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Contactless counting</li> <li>&gt; 6- or 7-digit</li> <li>&gt; Actuation by a magnet or Iron</li> <li>&gt; Small dimensions</li> <li>&gt; Easy installation</li> <li>&gt; Protection class IP 65</li> <li>&gt; Without reset function</li> <li>&gt; Maintenance-free operation</li> <li>&gt; Applicable as for preventive maintenance tool for counting cycles of an equipment or tools</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Small mechanical revolution and stroke counters</li> <li>&gt; 4- or 5-digit</li> <li>&gt; Revolution counter with transmissions: 1:1, 1:10</li> <li>&gt; Actuation left or right and both directions available</li> <li>&gt; Surface or flush mounting</li> <li>&gt; Available with or without case</li> <li>&gt; Without reset function</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Crimping machines</li> <li>&gt; Stamping tools</li> <li>&gt; Counting of moving pistons at end positions</li> <li>&gt; Various application where counting is needed via contactless actuation and without electric power</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Small handling machines</li> <li>&gt; Production assembly hand operated presses</li> <li>&gt; Circuit breakers</li> <li>&gt; Coffee-machines</li> <li>&gt; Various measuring and counting devices</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> <li>&gt; HV circuit breakers</li> </ul>

## 125



## 225



	Mechanical Counters	Mechanical Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Revolution and stroke counters</li> <li>&gt; 4- or 5-digit</li> <li>&gt; Miniature size</li> <li>&gt; Transmission ratio 1:1 or 1:10</li> <li>&gt; Actuation left or right and both directions available</li> <li>&gt; Surface mounting</li> <li>&gt; With button reset</li> <li>&gt; Protection class IP 50</li> <li>&gt; Size: 53 x 45 x 35 mm</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Revolution, length and stroke counters</li> <li>&gt; Approved for length counting by the PTB (German Federal Institute für Physics and Technology)</li> <li>&gt; 6-digit display (m/dm or m/cm)</li> <li>&gt; Large digits, 6.5 mm high</li> <li>&gt; With button reset</li> <li>&gt; Counter with suspension device</li> <li>&gt; Adjustable counterweight</li> <li>&gt; Size: 132 x 69,2 x 74,2 mm</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Small handling machines</li> <li>&gt; Production assembly hand operated presses</li> <li>&gt; Various measuring and counting devices</li> <li>&gt; Piece and/or stroke counting for punches or presses</li> <li>&gt; Length measuring of cables, foils, fabrics, metals, bands, ropes, paper, etc.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Various length measuring and counting devices</li> <li>&gt; Length measuring of cables, foils, fabrics, metals, bands, ropes, paper, etc.</li> <li>&gt; Production assembly hand operated presses</li> <li>&gt; Piece and/or stroke counting with quantity setting for punches or presses</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>



150



205/110/111/312



Mechanical Counters	Mechanical Counters
<ul style="list-style-type: none"> <li>&gt; Revolution counter, transmission ratio 1:10</li> <li>&gt; 6-digit</li> <li>&gt; Robust and durable design</li> <li>&gt; Length counter, transmission ratio 1:2, stroke counter, transmission ratio 1:1</li> <li>&gt; Actuation on both sides, right or left and both directions</li> <li>&gt; Surface mounting</li> <li>&gt; With button reset</li> <li>&gt; Size: 80 x 45 x 43,5 mm</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Type 205: Length measuring counters</li> <li>&gt; Type 110/111: Revolution counters</li> <li>&gt; Type 312: Stroke counters</li> <li>&gt; 7-digit display</li> <li>&gt; Large 8 mm digits</li> <li>&gt; Actuation on both sides and both directions</li> <li>&gt; With key reset</li> <li>&gt; Size: 132 x 69,2 x 74,2 mm</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Small handling machines</li> <li>&gt; Production assembly hand operated presses</li> <li>&gt; Various measuring and counting devices</li> <li>&gt; Piece and/or stroke counting for punches or presses</li> <li>&gt; Length measuring of cables, foils, fabrics, metals, bands, ropes, paper, etc.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Various length measuring and counting devices</li> <li>&gt; Length measuring of cables, foils, fabrics, metals, bands, ropes, paper, etc.</li> <li>&gt; Production assembly hand operated presses</li> <li>&gt; Piece and/or stroke counting with quantity setting for punches or presses</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>

250



ENM UN/Tampons



Mechanical Preset Counters	Automatic Numbering Machines
<ul style="list-style-type: none"> <li>&gt; Preset revolution, length and stroke counters</li> <li>&gt; 5-digit</li> <li>&gt; Large 6,5 mm (0.3 in)-high digits</li> <li>&gt; Robust and durable design</li> <li>&gt; Transmission ratios 1:1, 2:1, 1:5</li> <li>&gt; Large and easy operated preset buttons</li> <li>&gt; Button reset, secured against accidental operation</li> <li>&gt; Actuation on both sides</li> <li>&gt; Surface mounting</li> <li>&gt; Size: 132 x 69,2 x 74,2 mm</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Universal self-inking numbering machines</li> <li>&gt; Automatic version: numbers change automatically in 8 different settings: repeat, consecutive, 2-, 3-, 4-, 5-, 6- and 12-times repeat</li> <li>&gt; Manual version: number change is done by operator manually by a lever</li> <li>&gt; Different fonts and digit sizes available</li> <li>&gt; Available in plastic or full metal versions</li> <li>&gt; Inking tampons with durable and high quality ink</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Various length measuring and counting devices</li> <li>&gt; Length measuring of cables, foils, fabrics, metals, bands, ropes, paper, etc.» Production assembly hand operated presses</li> <li>&gt; Piece and/or stroke counting with quantity setting for punches or presses</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Document numbering in offices or production facilities</li> <li>&gt; Identifying processed documents - orders, job tickets, WIP cards, despatch sets, shipping documents, etc.</li> </ul>
<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Machine building</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Various office work areas</li> <li>&gt; Customs</li> <li>&gt; Document processing</li> <li>&gt; Archives</li> </ul>

## Pneumatic Totalizing Counter



## Miniature Timer and Reset Module



	Pneumatic Counters	Pneumatic Timers
Key specs	<ul style="list-style-type: none"> <li>&gt; Pneumatic totalizing counters</li> <li>&gt; 6 or 8-digit display</li> <li>&gt; Versions for flush and surface mounting</li> <li>&gt; Manual, pneumatic or without reset</li> <li>&gt; Hose coupler M5 or rapid-fit connector</li> <li>&gt; Simple installation</li> <li>&gt; Maintenance-free operation</li> <li>&gt; ATEX certified versions available for Gas, Dust and Mining</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Preset timers in various time ranges</li> <li>&gt; Convenient setting of preset value by rotary knob</li> <li>&gt; Preset and remaining time values continuously visible</li> <li>&gt; Precise time preset 0.2 s to 300 s</li> <li>&gt; DIN dimensions and optional for DIN-rail mounting</li> <li>&gt; Maintenance-free operation</li> <li>&gt; Hose coupler M5 or rapid-fit connector</li> <li>&gt; Pressure-independent</li> <li>&gt; No continuous air supply required</li> <li>&gt; ATEX certified versions available for Gas, Dust and Mining</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Quantity counting</li> <li>&gt; Order and daily production value recording</li> <li>&gt; Packaging unit control</li> <li>&gt; Dosing and filling (resins, liquids, powders, etc.)</li> <li>&gt; Production assembly hand operated presses</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Pneumatic applications with fully automatic time control</li> <li>&gt; Automatic door control units for passengers vehicles</li> <li>&gt; Time control with manual intervention</li> <li>&gt; Industrial transportation systems (eg. for fine powders also with combustion risk)</li> <li>&gt; Oil and gas areas</li> <li>&gt; Dosing and filling (resins, liquids, powders, etc.)</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Food &amp; Beverages industry</li> <li>&gt; O&amp;G</li> <li>&gt; Chemical</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Food &amp; Beverages industry</li> <li>&gt; Railway</li> <li>&gt; O&amp;G</li> <li>&gt; Chemical</li> </ul>

## Preset Counter



## Preset Timer



	Pneumatic Preset Counters	Pneumatic Preset Time Counters
Key specs	<ul style="list-style-type: none"> <li>&gt; Preset totalizing counters</li> <li>&gt; 3- or 5-digit</li> <li>&gt; Adding or subtracting versions</li> <li>&gt; Convenient button setting</li> <li>&gt; Preset constantly visible (in adding mode)</li> <li>&gt; 2 - 8 bar</li> <li>&gt; Hose coupler M5 or rapid-fit connector</li> <li>&gt; Front panel installation</li> <li>&gt; Button and pneumatic reset, automatic reset</li> <li>&gt; Integrated pneumatic reset</li> <li>&gt; ATEX certified versions available for Gas, Dust and Mining</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Preset time counters</li> <li>&gt; 3 or 5-digit display</li> <li>&gt; Seconds and Minutes versions</li> <li>&gt; Preset values continuously visible</li> <li>&gt; Hose coupler M5 or rapid-fit connector</li> <li>&gt; Integrated pneumatic reset</li> <li>&gt; Optional automatic reset</li> <li>&gt; Convenient button setting</li> <li>&gt; Maintenance-free operation</li> <li>&gt; ATEX certified versions available for Gas, Dust and Mining</li> </ul>
Fields of application	<ul style="list-style-type: none"> <li>&gt; Pneumatic fully automatic control systems</li> <li>&gt; Industrial transportation systems (eg. for fine powders also with combustion risk)</li> <li>&gt; Oil and gas areas</li> <li>&gt; Dosing and filling (resins, liquids, powders, etc.)</li> <li>&gt; Chicken vaccination devices</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Pneumatic applications with fully automatic time control</li> <li>&gt; Clock generator</li> <li>&gt; Time control with manual intervention</li> <li>&gt; Compressors</li> <li>&gt; Paint spaying machines</li> <li>&gt; Industrial transportation systems (eg. for fine powders also with combustion risk)</li> <li>&gt; Oil and gas areas</li> <li>&gt; Dosing and filling (resins, liquids, powders, etc.)</li> </ul>
Verticals	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Food &amp; Beverages industry</li> <li>&gt; Chemical</li> <li>&gt; Railway</li> <li>&gt; O&amp;G</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Factory automation</li> <li>&gt; Food &amp; Beverages industry</li> <li>&gt; O&amp;G</li> <li>&gt; Chemical</li> </ul>

## Pneumatic Proximity Switch



### Pneumatic Proximity Switch

- > Touchless switching
- > Small dimensions
- > Switching between magnet field and Fe
- > No continuous air supply required
- > ATEX certified versions available for Gas, Dust and Mining

- > Pneumatic automation devices
- > Detection of position of pistons at end positions
- > Material transportation and packaging lines
- > Purely pneumatic cylinder limit switches

- > Factory automation
- > Food & Beverages industry
- > O&G
- > Chemical

## Accessories



### General

- > Various sizes to fit different types of counters
- > Robust measuring wheels with various materials and sizes
- > Covers lockable with key or knob
- > Different materials and sizes of levers to fit all types of stroke counters and application

- > Stroke levers: For mechanical stroke lever counter applications
- > Measuring wheels: Conversion of lengths to rotations
- > Covers: For mounting of counters and improving IP

