

COUNTERS

- *Electrical*
- *Electromechanical*
- *Preset*
- *Multifunction*



Selection Guide - Counters







Crouzet's Counters

Count the number of parts, events, or actions or the running time of equipment, to inform or trigger an action or intervention. Very useful for scheduling preventive maintenance on machines or production lines.

Counter Features

- Great visualization, either by LCD screen, LED screen or Mechanical Dials
- Hour Counters, Impulse Counters, Preselection, Chronometer, Ratemeter
- Many Options: Electronic and Electromechanical, Clip or Screw Mounting, different sizes and supply

ELECTRONIC COUNTERS

| Type | Visualization | Inputs | Output | Power Supply |
|--|---------------|-----------------|---|---------------|
|  Hour Counter | LCD | PNP | - | 10-260 VAC/DC |
| | LCD | NPN | | Battery |
| | LCD | Voltage | | - |
| | Backlight LCD | | | |
|  Impulse Counter | LCD | PNP | - | 10-260 VAC/DC |
| | LCD | NPN | | Battery |
| | LCD | Voltage | | 10-260 VAC/DC |
| | Backlight LCD | PNP | | Battery |
| | Backlight LCD | Voltage | | Battery |
|  Multifunction 1* (Impulse Counter, Hour Counter, Ratemeter) | LED | NPN or PNP | - | 10-30 VDC |
|  Preset Chronometer | Backlight LCD | PNP/NPN/Voltage | 1 · 1 x 3 A (Changeover) | 10-30 VDC |
| | Backlight LCD | | | 230 VAC |
|  Multifunction 2* (Preset, Multi-Totalizer, Chronometer, Ratemeter) | Backlight LCD | PNP/NPN/Voltage | 2 · 1 x 5 A (Changeover) + · 1 x 30 mA (SSR) | 10-30 VDC |
| | Backlight LCD | | | 24 VAC |
| | Backlight LCD | | | 90-260 VAC |
| | LED | PNP/NPN/Voltage | 2 · 1 x 5 A (Changeover) + · 1 x 30 mA (SSR) | 10-30 VDC |
| | | | | 24 VAC |
| | | | | 90-260 VAC |
|  Multifunction 3* (Double Preset, Multi-Totalizer, Chronometer, Ratemeter, Batch Counter) | Backlight LCD | PNP/NPN/Voltage | 4 · 1 x 5 A (Changeover) + · 1 x 5 A (N/O) + · 2 x 30 mA (SSR) | 10-30 VDC |
| | Backlight LCD | | | 24 VAC |
| | Backlight LCD | | | 90-260 VAC |
| | LED | PNP/NPN/Voltage | 4 · 1 x 5 A (Changeover) + · 1 x 5 A (N/O) + · 2 x 30 mA (SSR) | 10-30 VDC |
| | | | | 90-260 VAC |


| Size | Digits | Fixing | Designation | Part Number |
|------------|----------|--------|-------------|-------------|
| 48 x 24 mm | 7 Digits | Clip | CTR24 | 87 622 161 |
| | | | | 87 622 162 |
| | | | | 87 622 170 |
| | | | | 87 622 190 |
| 48 x 24 mm | 8 Digits | Clip | CTR24 | 87 622 061 |
| | | | | 87 622 062 |
| | | | | 87 622 070 |
| | | | | 87 622 081 |
| | | | | 87 622 090 |
| 48 x 24 mm | 6 Digits | Clip | CTR24L | 87 623 570 |
| 48 x 48 mm | 6 Digits | Clip | CTR48E | 87 629 111 |
| | | | | 87 629 114 |
| 48 x 48 mm | 6 Digits | Clip | CTR48 | 87 621 111 |
| | | | | 87 621 112 |
| | | | | 87 621 115 |
| | | | | 87 621 211 |
| | | | | 87 621 212 |
| 48 x 48 mm | 6 Digits | Clip | CTR48 | 87 621 215 |
| | | | | 87 621 121 |
| | | | | 87 621 122 |
| | | | | 87 621 125 |
| | | | | 87 621 221 |
| | | | | 87 621 225 |

Selection Guide - Counters

ELECTROMECHANICAL


| Type | Visualization | Input | Output | Power Supply |
|--|-----------------|-------|--------|--|
|  Hour Counter | Mechanical Dial | - | - | 90-264 VAC |
|  Hour Counter | Mechanical Dial | - | - | 10-80 VDC 4-36 VAC/DC |
|  Hour Counter | Mechanical Dial | - | - | 90-264 / 270-460 VAC 4-36 VAC/DC 10-80 VDC |
|  Impulse Counter | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 48 VDC 110 VDC |
|  Impulse Counter | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 48 VDC 110 VDC |
|  Impulse Counter + Reset | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 48 VDC 110 VDC |
|  Impulse Counter + Reset | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 48 VDC 110 VDC |
|  Impulse Counter + Reset | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 110 VDC |
|  Impulse Counter + Reset | Mechanical Dial | - | - | 230 VAC 24 VAC 24 VDC 48 VDC 110 VDC |

PNEUMATIC COUNTERS

| Type | Function | Information |
|---|-----------------|------------------|
|  Impulse Counter | Mechanical Dial | See page 26 - 92 |

| Size | Digits | Fixing | Designation | Part Number |
|------------|----------|---------|-------------|-------------|
| 48 x 48 mm | 6 Digits | Clip | CHM48 | 99 772 602 |
| 40 x 27 mm | 6 Digits | Clip | CHM40x27 | 99 783 810 |
| | | | | 99 783 710 |
| 93 x 36 mm | 6 Digits | DIN Rai | CHMDR | 99 793 714N |
| | | | | 99 793 710N |
| | | | | 99 793 810N |
| 56 x 29 mm | 6 Digits | Clip | CIM56x29 | 99 774 608 |
| | | | | 99 774 603 |
| | | | | 99 774 602 |
| | | | | 99 774 604 |
| | | | | 99 774 606 |
| 56 x 46 mm | 6 Digits | Screw | CIM56x46 | 99 775 609 |
| | | | | 99 775 604 |
| | | | | 99 775 603 |
| | | | | 99 775 606 |
| | | | | 99 775 608 |
| 56 x 29 mm | 6 Digits | Clip | CIM56x29 | 99 774 618 |
| | | | | 99 774 613 |
| | | | | 99 774 612 |
| | | | | 99 774 614 |
| | | | | 99 774 616 |
| 56 x 46 mm | 6 Digits | Screw | CIM56x46 | 99 775 619 |
| | | | | 99 775 613 |
| | | | | 99 775 612 |
| | | | | 99 775 615 |
| | | | | 99 775 617 |
| 46 x 46 mm | 4 Digits | Screw | CIM46 | 99 775 418 |
| | | | | 99 775 413 |
| | | | | 99 775 412 |
| | | | | 99 775 416 |
| 42 x 29 mm | 4 Digits | Clip | CIM42x29 | 99 774 418 |
| | | | | 99 774 413 |
| | | | | 99 774 412 |
| | | | | 99 774 414 |
| | | | | 99 774 416 |

PNEUMATIC COUNTERS

| Type | Function | Information |
|--|-----------------|------------------|
|  Impulse Counter + Reset | Mechanical Dial | See page 26 - 92 |