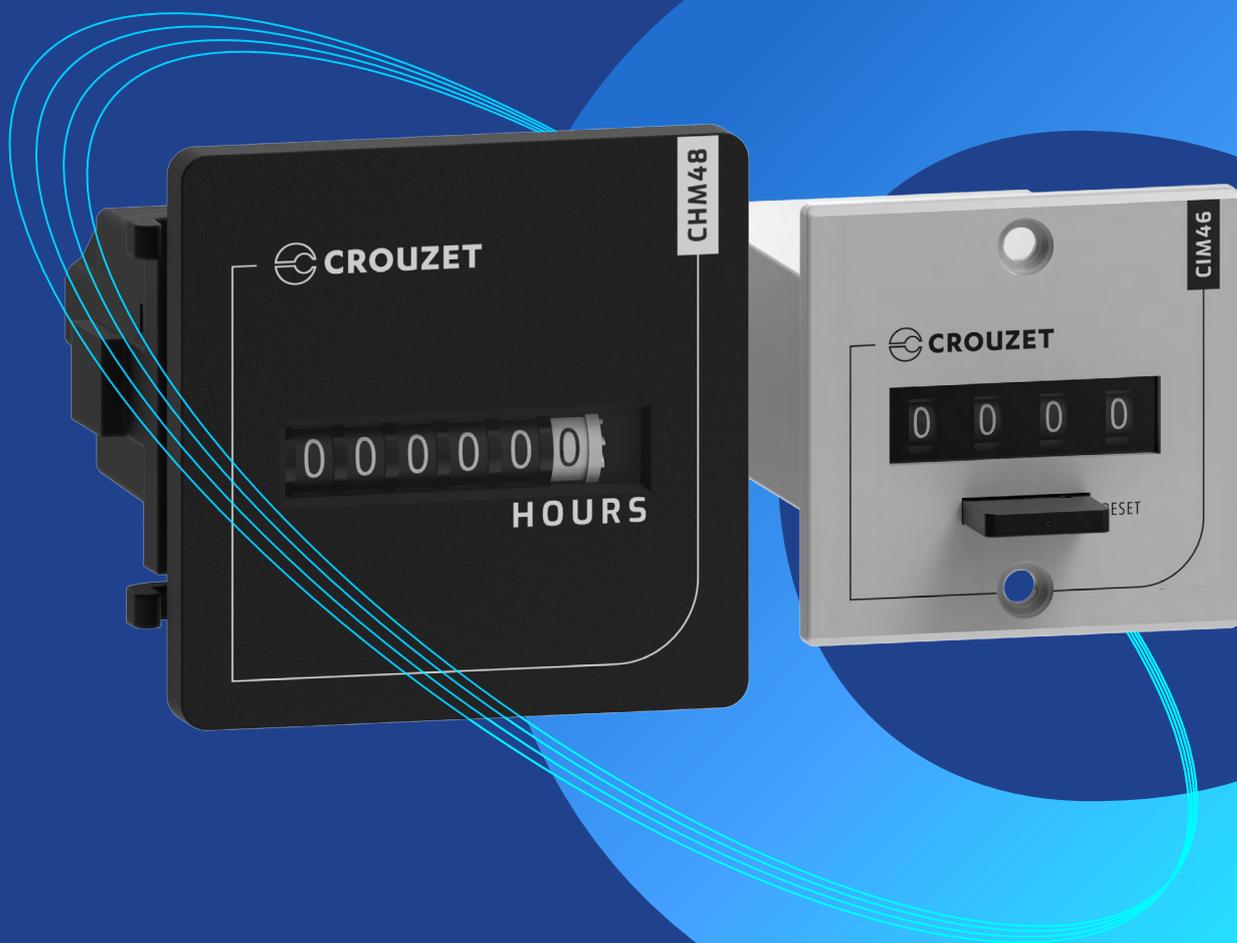


# COUNTERS

- *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		-	
	Backlight LCD	PNP			10-260 VAC/DC
	Backlight LCD	Voltage			Battery
 <b>Multifunction 1*</b> (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	
 <b>Multifunction 2*</b> (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	
 <b>Multifunction 3*</b> (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	8 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 COUNTERS

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