

Пневматические счетчики 495, АTEX 497

Технические характеристики

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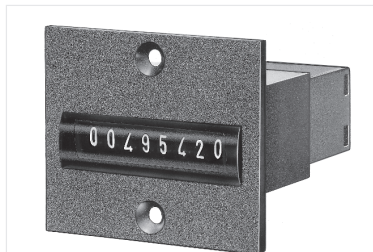
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Type 495



TECHNICAL DATA

Pneumatic Totalizing Counter

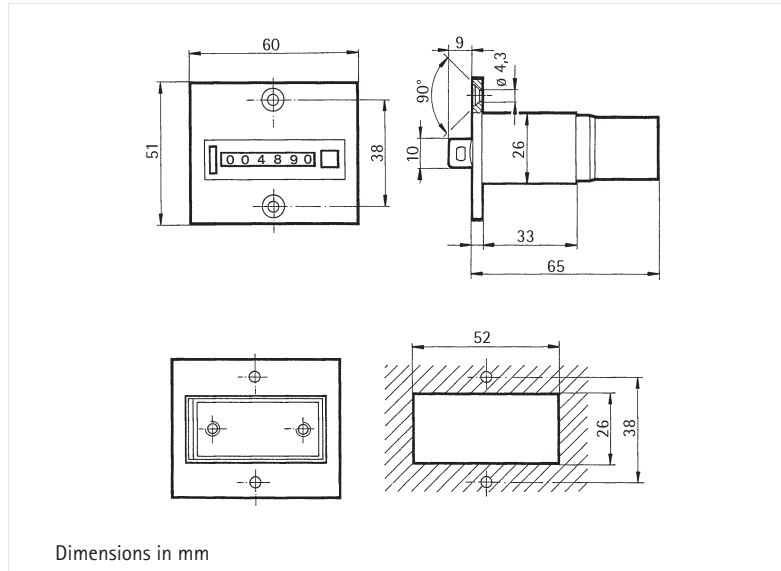
- 6 or 8-digit display
- Manual/pneumatic reset or without reset
- Simple installation
- Screw connection hose coupler or rapid-fit connector
- Maintenance-free operation

Display	6 or 8-digit, depending on version
Digit height	4 mm
Service pressure	2 ... 8 bar
Air quality	oilfree
Filter pore width	< 40 µm
Operating temperature	- 15 ... + 60 °C
Storage temperature	- 40 ... + 60 °C
Connection	hose coupler M5 or rapid-fit connector, depending on version
Mounting position	any
Vibrostability	50 m/s ² acc. to IEC 068 2-6
Shock stability	400 m/s ² acc. to IEC 068 2-27
Maintenance-free operation	counting 30 x 10 ⁶ pulses, reset 1.5 x 10 ⁶ pulses
Weight	approx. 60 g
Count input	adding
Pulse length min..	8 ms
Counting frequency max.	25 Hz
Pulse duty factor	see glossary "counting frequency"
Reset	depending on version
	6-digit counter
	- manual with button
	- pneumatic, min. pulse length 180 ms
	ATTENTION: minimum time period between last count pulse and pneumatic reset is 50 ms
	8-digit counter
	- without reset

Technical data

Type 495

DIMENSIONED DRAWINGS



ORDER INFORMATION

Counter

Connection	Frontpanel	6-digit	8-digit
Hose coupler M5	56 x 40	0 495 474	0 495 420
Rapid-fit connector	56 x 40	0 495 473	
Hose coupler M5	60 x 50	0 495 464	
Rapid-fit connector	60 x 50	0 495 465	0 495 422

Accessories

Protective cover IP 55	with knob	1 405 611
	with lock	1 405 612
Fittings for hose M5 x 1	3 641 733	

* on request

Type 495



TECHNICAL DATA

Pneumatic Totalizing Counter for Surface Mounting

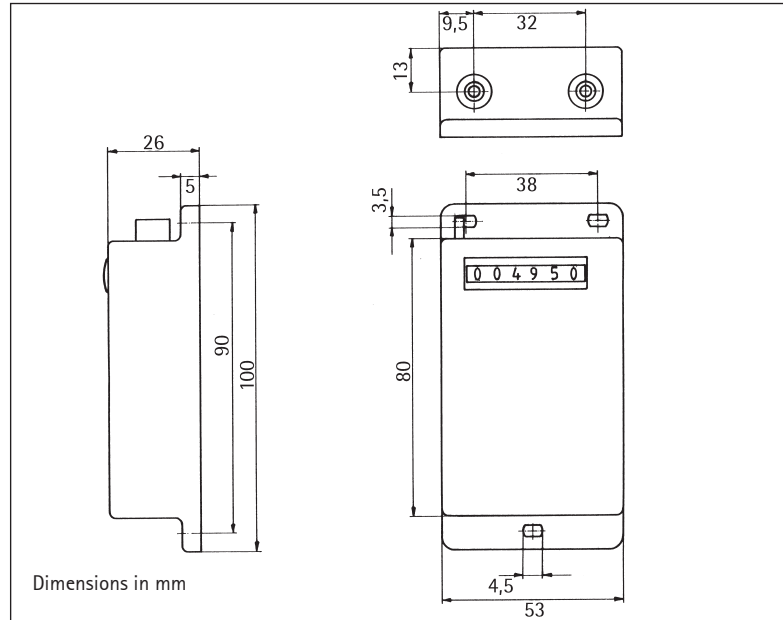
- 6-digit display
- Manual/pneumatic reset or without reset
- Simple installation
- Screw connection hose coupler or rapid-fit connector
- Maintenance-free operation

Display	6-digit
Digit height	4 mm
Service pressure	2 ... 8 bar
Air quality	oilfree
Filter pore width	< 40 µm
Operating temperature	- 15 ... + 60 °C
Storage temperature	- 40 ... + 60 °C
Connection	hose coupler M5 or rapid-fit connector, depending on version
Mounting position	any
Vibrostability	50 m/s ² acc. to IEC 068 2-6
Shock stability	400 m/s ² acc. to IEC 068 2-27
Maintenance-free operation	counting 30 x 10 ⁶ pulses, reset 1.5 x 10 ⁶ pulses
Weight	approx. 60 g
Count input	adding
Pulse length min.	8 ms
Counting frequency max.	25 Hz
Pulse duty factor	see glossary "counting frequency"
Reset	depending on version - manual with button - pneumatic, min. pulse length 180 ms ATTENTION: minimum time period between last count pulse and pneumatic reset is 50 ms - without reset

Technical data

Type 495

DIMENSIONED DRAWING



ORDER INFORMATION

Counter

Accessories

Connection

Hose coupler M5	0 495 462
Rapid-fit connector	0 495 461
Fittings for hose M5 x 1	3 641 733



User-friendly integrated preset time counter, Type 497 with ATEX, is easy to install using a hose coupler or rapid-fit connector. It has convenient pushbutton setting and is equipped with a manual pushbutton reset. Additionally it can have either an integrated pneumatic or an automatic reset function. The display ensures permanently visible preset and is available with 3 or 5-digits. The time unit can be chosen as minutes or seconds. The ATEX version of pneumatic timer 497 is certified for use in potentially explosive atmospheres where there is a risk of gas or dust explosion, zones 1 and 21 as well as for Mining (category M2).

Preset	1 preset
Display	Number disc
Digits	3-digit 5-digit
Function	Time counter (with ATEX)
Product Family	497 ATEX Preset time counter
Technology	Pneumatic
Digit Height [mm]	4 mm (0.2 in)

Reset	button and pneumatic reset button and automatic reset
Signal Times	Signal duration at port A: Timers with pneumatic reset: From reaching preset value until Reset at 3 bar Timers with automatic reset: 300 □ 340 ms
Reset Frequency	max. 1 per 2 s
Count Input	adding

Application Input/Output (Timer)	sec min
Counting Range	Maximum 15% in the first time unit (seconds or minutes)
Output	1/min 0.5% (minutes version) 1/s 2% (seconds version)

Time Setting	after reaching preset value, pressure air ☐ ON ☐ from output ☐ P ☐ to ☐ A ☐
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IP Protection Class	IP40 with connected hoses. IP55 when using a transparent protection cover (see Accessories)
Operating Temperature [°C]	0 ☐ + 60°C Maximum compressed air temperature: 30°C
Service Pressure	2 - 6 bar
Air Quality	Filtered, dried and unlubricated air according to ISO 8573-1: 2010 [7:4:4]
Filter Pore Width	designed for use with compressed air. Operation with other media/pure gases upon request
Degree of Protection	< 40 µm
Vibration Resistance	use suitable filters when necessary
Shock Resistance	IP40 with connected hoses. IP55 when using a transparent hinged cover (see Accessories)
Cable Length	ATEX approval: Gas: Ex II 2G Ex h IIB T4 Gb (0°C ? Ta ? 60°C) Dust: Ex II 2D Ex h IIB T130°C Db (0°C ? Ta ? 60°C) Mining: Ex I M2 Ex h I Mb (0°C ? Ta ? 60°C)

Size [mm]	75x60x125
Mounting	front panel installation
Mounting Depth [mm]	with pneumatic reset: 122 mm with automatic reset: 146 mm
Front Panel Cutout	52 x 52 mm
Weight [g]	Approx. 320 g (11.3 oz), with automatic reset approx. 350 g (12.3 oz)
Connection	hose coupler M5

Transistor	is ventilated with supply air at the alarm
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