

## Hour meters / timers, electromechanical

Timers, round design

With LED run indicator (AC+DC)

HR 47



The hour meter HR 47 with run indicator feature a very high shock resistance.

These panel-mount counters for round panel cut-outs can be used in many different fields of application. These non-resettable counters are very robust and extremely tamper-proof.



### Characteristics

- 7-digit hour meter
- For voltage ranges 10...80 V DC, 100...130 V AC and 187...264 V AC
- Magnified large figures
- Protection IP65 on the front and rear sides
- Suitable for any mounting position
- Without reset, and thus tamper-proof
- High shock and impact resistance

### Benefits

- With run indicator (AC version), optional LED (DC version)
- For panel cut-out  $\varnothing$  50.5 mm with front panel dimensions  $\varnothing$  58 mm
- Simple and secure mounting with screwed clamping clip

### Applications

General time measurement, construction machinery and industrial trucks, small appliances, UV lamps, display panels in vehicles, compressors, air-conditioning equipment, etc.

### Type series

Description	Mounting	Type
Timer, round	Clamping clip fixing, screw-on	<b>HR 47</b>

### Accessories

		Order-No.
<b>Counter mounting fixture</b>	For round counters with cut-out $\varnothing$ 53 mm	black <b>N510199</b>
<b>Gasket, <math>\varnothing</math> 58 mm</b>	For cut-out $\varnothing$ 50 mm	black <b>N511182</b>
<b>Adapter and anti-vibration set</b>	For HR 47, $\varnothing$ 80 mm for cut-out $\varnothing$ 71 mm	black <b>255319</b>

Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: [www.kuebler.com/accessories](http://www.kuebler.com/accessories).

# Hour meters / timers, electromechanical

<b>Timers, round design</b>	<b>With LED run indicator (AC+DC)</b>	<b>HR 47</b>
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Technical data							
<b>Electrical connection</b>	screw terminal for flat pin 6.3 x 0.8						
<b>Power consumption</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">10 ... 80 V DC</td> <td>max. 720 mW</td> </tr> <tr> <td>100 ... 130 V AC, 60 Hz</td> <td>max. 1.1 VA</td> </tr> <tr> <td>187 ... 264 V AC, 50 Hz</td> <td>approx. 1.2 VA</td> </tr> </table>	10 ... 80 V DC	max. 720 mW	100 ... 130 V AC, 60 Hz	max. 1.1 VA	187 ... 264 V AC, 50 Hz	approx. 1.2 VA
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100 ... 130 V AC, 60 Hz	max. 1.1 VA						
187 ... 264 V AC, 50 Hz	approx. 1.2 VA						
<b>Rated voltages</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">AC (50 or 60 Hz)</td> <td>100 ... 130/187 ... 264 V AC,</td> </tr> <tr> <td>DC</td> <td>10 ... 80 V DC</td> </tr> </table>	AC (50 or 60 Hz)	100 ... 130/187 ... 264 V AC,	DC	10 ... 80 V DC		
AC (50 or 60 Hz)	100 ... 130/187 ... 264 V AC,						
DC	10 ... 80 V DC						
<b>On time</b>	100 %						
<b>Number of digits</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">AC</td> <td>7: 99999.99 h</td> </tr> <tr> <td>DC</td> <td>7: 999999.9 h</td> </tr> </table>	AC	7: 99999.99 h	DC	7: 999999.9 h		
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DC	7: 999999.9 h						
<b>Resolution</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">AC</td> <td>0.01 h equals 36 s</td> </tr> <tr> <td>DC</td> <td>0.1 h equals 6 min</td> </tr> </table>	AC	0.01 h equals 36 s	DC	0.1 h equals 6 min		
AC	0.01 h equals 36 s						
DC	0.1 h equals 6 min						
<b>Count mode</b>	adding						
<b>Height of figures</b>	4 mm						
<b>Colour of figures</b>	white and red on black						
<b>Operating temperature</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">AC</td> <td>-25°C ... +80°C (non-condensing)</td> </tr> <tr> <td>DC</td> <td>-20°C ... +70°C (non-condensing)</td> </tr> </table>	AC	-25°C ... +80°C (non-condensing)	DC	-20°C ... +70°C (non-condensing)		
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DC	-20°C ... +70°C (non-condensing)						
<b>Relative humidity</b>	< 95% (non-condensing)						
<b>Mounting position</b>	any						

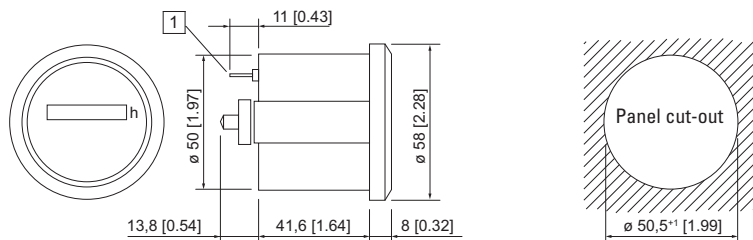
<b>Protection</b>	up to IP65, EN 60529	
<b>Housing</b>	plastic PC (Polycarbonate)	
<b>Accuracy</b>	AC	± 0.02%
	DC	± 0.002%
<b>Weight</b>	approx. 50 g	
<b>Run indicator</b>	AC	fast rotating wheel in viewing window
	DC	optional LED
<b>Test voltage</b>	2000 V AC, 50 Hz for AC version	
<b>EMC</b>	Emitted interference	EN 55011 class B
	Immunity to interference	EN 61000-6-2
<b>Device safety</b>	Designed to	EN 61010 part 1
	Protection class	2
	Application area	Pollution level 2

**Options**

Counter for ø 52 mm with screwed clamping bracket or screw thread on request

Hour meters / Timers

**Timer, round**  
**Type HR 47**



1) Electrical connection

Front bezel thickness max. 6 mm without having to shorten the clamping bracket

Type	Display	Voltage	Art.-No.			further types on request
			10 ... 80 V DC	100 ... 130 V 60 Hz	187 ... 264 V 50 Hz	
<b>HR 47</b>	6 digits	V AC, with run indicator	<b>3.474.901.373</b> <sup>1)</sup>	<b>3.474.901.084</b> <sup>1)</sup>	<b>3.474.901.075</b> <sup>1)</sup>	
		V DC, without run indicator				
		V DC, with run indicator				