

## Because reliability counts: KWH 17 counter with stepper motor – 5 years warranty



5

Jahre / years  
Gewährleistung / warranty

*Made in Germany by Kübler*

- **Reliable:** high degree of resistance against external influences such as magnetic fields. Does not need any multiple shielding.
- **Simple:** can be soldered directly onto the printed circuit board. To assemble it, just solder it in. Snap-on or screw mounting. Triggered via rectangular- or needle-shaped pulses.
- **Compact & economical:** In double tariff meters, two counting mechanisms can be easily placed tight up against each other. 5 x 3 mm large digits as with conventional Ferraris meters. Low power consumption.

### Applications

Assembly module for electronic kWh meters. Each incoming pulse advances the decimal place of the counting mechanism by 1/100 of a revolution.

#### Important note:

Not all counting mechanisms are the same. Do not take any expensive risks. Opt straight away for the original and the world's best-selling counter with stepper motor drive system from the market leader Kübler. Profit from our 45 years of experience. Optimum quality means that we can now offer you 5 years guarantee. Thanks to a special shielding material, the KWH 17 with its patented stepper motor drive is particularly resistant to magnetic fields and is characterized by an extremely low power consumption.

# KWH 17 counter with stepper motor



## Technical data

Drive:	Stepper motor	Stepper motor
Nominal voltage:	5 V DC $\pm 10\%$	10 V DC $\pm 10\%$
Activation:	rectangular- or needle-shaped pulses	rectangular- or needle-shaped pulses
Electrical connection:	Solder pins	Solder pins
Display:	7-digit display, decimal place with additional 1/100 division Counter reading on delivery: 000 0001 $\pm 3$ digits	
Figure drums:	Digits white, background black, decimal place red, Background black	
Coil resistance:	1 k $\Omega$	3.6 k $\Omega$
Power consumption:	25 mW	8 mW
Height of figures:	5 x 3 mm	5 x 3 mm
Ambient temperature:	-20 ... +70 °C	-20 ... +70 °C

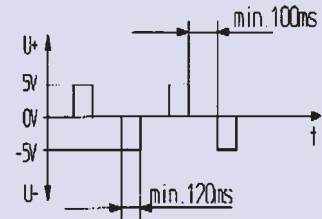
## Options:

Division other than 1/100, other mechanical division Adaptation, alternative supply voltage and other coil resistance values on request

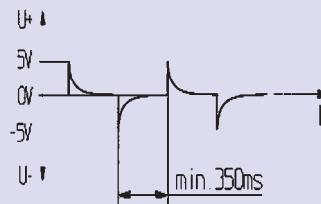
Data sheet and other options in the catalog Metering technology (order number R.100.156) or visit us at: [www.kuebler.com](http://www.kuebler.com)



## Pulse diagrams

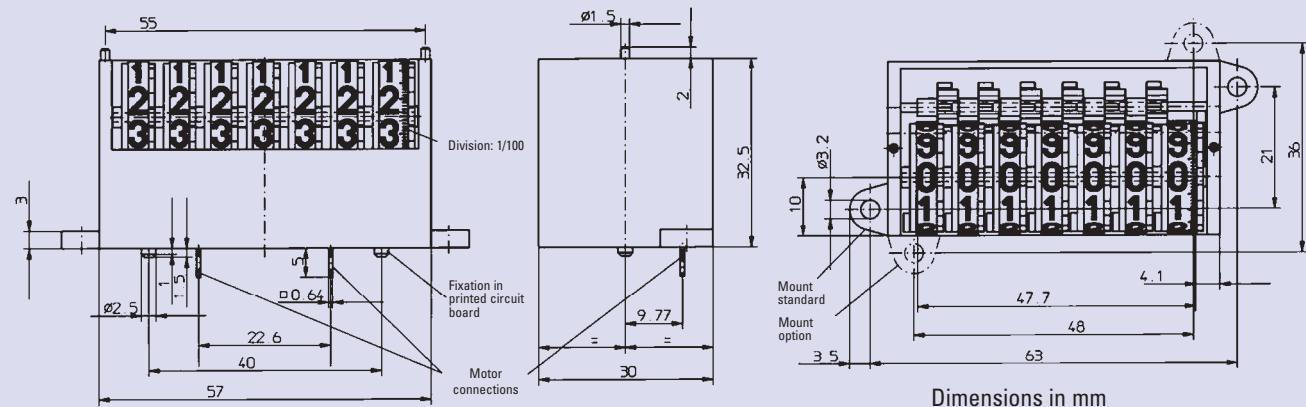


Rectangular shaped pulses



Pulses by capacitor charge or discharge

## Dimensions



## Order code

1.94X.XXX.XXX.XXX

### Electrical connection

- 3 = Pin  $\square 0.64 \times L = 19$  mm
- 4 = Pin  $\square 0.64 \times L = 5$  mm
- 5 = Pin  $\square 0.64 \times L = 7.5$  mm

### Mounting

- 0 = latch at the side
- 1 = latch on top and bottom

### Colour of wheels

- 0 = Digit color white on black,
- 1. Decimal place red on black
- 2 = Digit color white on black, for all digits
- 3 = Digit color white on black, 1. Decimal place with symbols white on black
- 4 = Digit color white on black, 1. Decimal place with symbols red on black

### Options

346 = extended temperature range -40 ... +90 °C

### Nominal voltage

090 = 5 V DC  
091 = 10 V DC

### Protective housing against magnetic fields

0 = without  
1 = with protective housing

## Interested?

Give us a ring

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