

# HK-46 AC, DC Series



**FEATURES:**

- Low Cost
- AC or DC Input Voltage
- CE mark, UL recognized & RoSH
- Rugged Design
- Long Life
- Non-reset

**DESCRIPTION:**

Hour meters are designed for the determination and monitoring of operating time, warranty period and maintenance intervals on electrically driven machines and devices. Typical applications are in mechanical processing, woodworking, textile and paper industry, on central heating boilers, electrical furnaces, power drives and rectifiers, etc. They come in a variety of mounting styles with a depth of only 32mm (1.25") and are available in all common voltages. A version with a front protection degree of IP65 is available upon request.

When connected in parallel to a control circuit the hour meter will only work during the operation of a machine or device. The hour meters cover a time range from 0 to 99,999.99 h (AC) resp. 999,999.9 (DC). They roll over to 0 when they reach their maximum range. There is no separate reset capability.

**SPECIFICATIONS:**

	AC	DC
<b>Supply voltage:</b>	24, 48, 60, 110, 230, 240 or 400VAC (± 10%)	6 - 30, 10 - 80 or 110VDC (± 10%)
<b>Frequency:</b>	60Hz, optional 50Hz	
<b>Mounting:</b>	-G optional fork clamp, -D DIN rail -A aluminum clamp -F snap fastener	fork clamp  DIN rail D aluminum clamp snap fastener
<b>Connection:</b>	-T Screw terminals	Screw terminals
<b>Protection class (front):</b>	IP40, optional IP65	IP40, optional IP65
<b>Motor:</b>	Synchronous motor	Stepping motor
<b>Operating temp. range:</b>	-25°C.... +80°C	-20°C.... +70°C
<b>Reading accuracy:</b>	1/100 hour (36 sec.)	1/10 hour (6 min.)
<b>Counting range:</b>	99,999.99 hours	999,999.9 hours
<b>Number of digits:</b>	5 integers, 2 decimals	6 integers, 1 decimal
<b>Digit size:</b>	4 mm	4 mm
<b>Digit color:</b>	- integers: white - decimals: red	- integers: white - decimals: red
<b>Housing color:</b>	black	black
<b>Front dimensions:</b>	48x48 mm	48x48 mm
<b>Adapter frames:</b>	55x55 mm, 72x72 mm	55x55 mm, 72x72 mm
<b>Approval:</b>	UL recognized, CE mark	UL recognized, CE mark

**Ordering Information:**

MODEL	HK-46	110VAC	60Hz	G	I	IP65
CODE	1	2	3	4	5	6

CODE

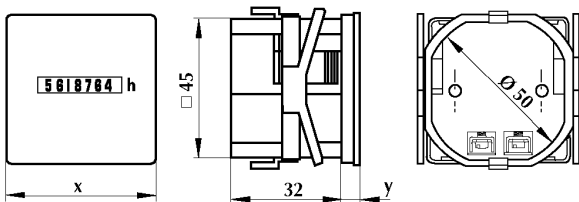
1. Series: HK-46
2. Voltage: 24, 48, 60, 110, 230 240 or 400VAC
3. 6 - 30, 10 - 80 or 110VDC
4. Frequency (AC only): 50 or 60 Hz
5. Mounting: G optional: D, A or F
6. Connection: T
7. Protection IP40 optional: IP65

Optional adaptors (order separately)

Model	Mounting hole
Adaptor HK-46 55	55x55 mm
Adaptor HK-46 72	72x72 mm

Dimensions: mm, 1 mm = .03937"

**Mounting G**



x (mm)	y(mm)	Mounting hole
48 x 48	6	1
52x52	8	1, 2 or 3
55 x 55	8	1, 2 or 3
72 x 72	8	1, 2 or 3

**Mounting hole**

