

Hour meters

HK 46



Highlights

- price competitive meter
- excellent quality
- long lifetime
- different bezels for different cut-outs
- many mounting versions
- all necessary approvals
- your branding available

Applications

- gen-sets
- compressors
- pumps
- medical equipment
- control panels
- air conditioning

Mechanical data

Front dimension: 48 x 48 mm

Display	AC: 5 integers, 2 decimals DC: 6 integers, 1 decimal AC indicator, without reset
Digit height	4 mm
Digit color	integer: white on black decimal: 50 Hz – red on black 60 Hz – red on white
Counting range	AC: 99999,99 h, DC: 999999,9 h
Reading accuracy	AC: 1/100 h (36 sec) DC: 1/10 h (6 min)
Weight	ca. 50 g
Housing color	standard black
Bezels	52x52 55x55 72x72 and Ø80 mm
Mounting options	A - aluminum clamp C - anti-vibration boot & clamp D - DIN rail F - snap fastener G - retainer

Electrical data

Operating voltage 24, 48, 60, 110, 120, 220, 230, 240, 400 VAC ± 10%, 50 or 60 Hz

	6-30, 10-80, 110, 220 VDC ± 10%
Current consumption	AC: max. 8 mA DC: max. 9 mA
Accuracy	AC: ± 0,02 % DC: ± 0,002 %
Connection	flat pin 6,3x0,8 with screw flat pin 6,3x0,8 screw terminal
Ambient conditions	
Operating temperature	AC: -25° C .. +80° C DC: -20° C .. +70° C
Storage temperature	AC: -40° C .. +80° C DC: -20° C .. +70° C
Relative humidity	max. 80% at +25° C 100% at +25° C (if IP67 total sealed)
Protection	IP40 front, IP20 terminals IP65 front, IP20 terminals IP67 total
Approvals	CE Mark UL E171200 RoHS compliant

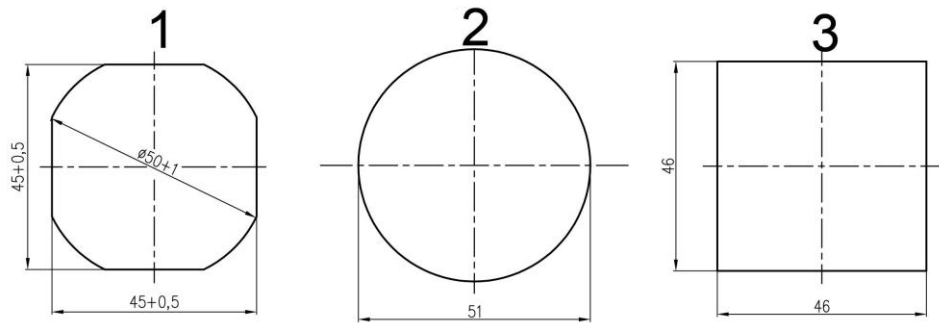
Ordering

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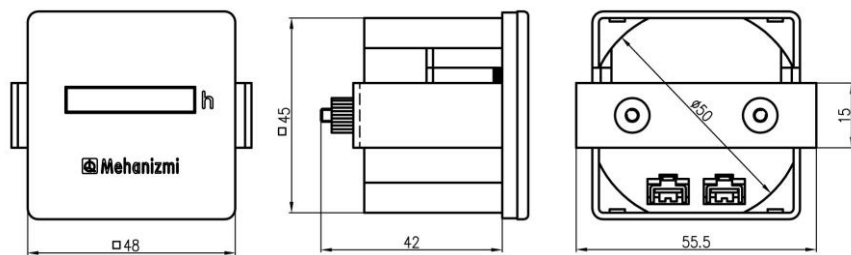
Mounting	Front dimension	Protection	Connection	Package	Voltage (specify)	Frequency
A - aluminum clamp C - anti-vibration boot & clamp D - DIN rail F - snap fastener G - retainer	1 – 48x48 mm 2 – 55x55 mm 3 – 72x72 mm 5 – 52x52 mm 6 – Ø80 mm	1 – IP40 front 3 – IP65 front 4 – IP67 total	1 – flat pin 6,3x0,8 with screw 2 – flat pin 6,3x0,8 3 – screw terminal	P – single S – group	24, 48, 60, 110, 120, 220, 230, 240, 400 VAC 6-30, 10-80, 110, 220 VDC	50 Hz 60 Hz

Hour meters

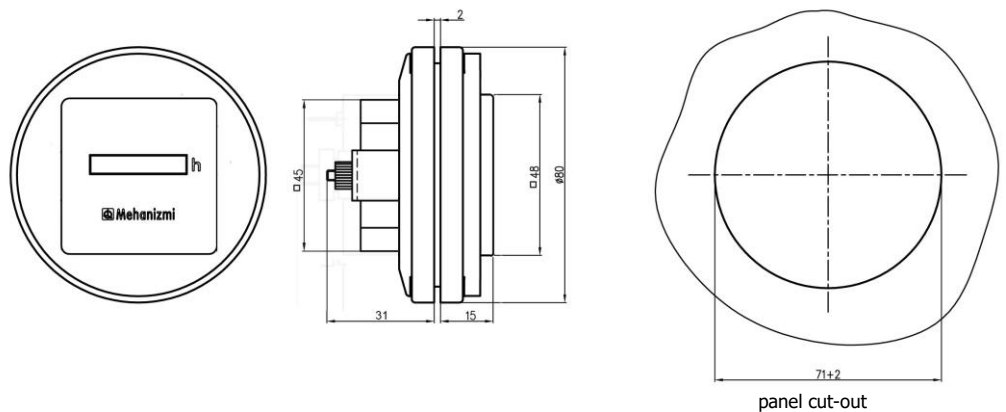
HK 46 Panel cut-outs



Cut-out #1: for meters with front dimensions 48x48 mm (without bezel)
 Cut-out #1,#2,#3: for meters with square 52, 55 and 72 mm bezels

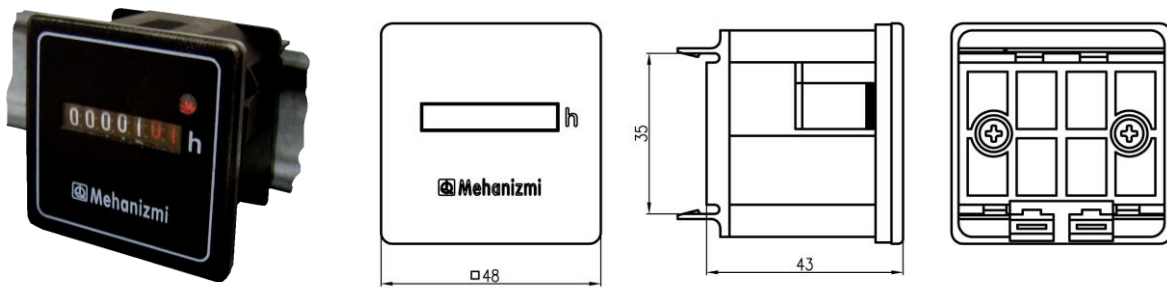


HK 46 – mounting A

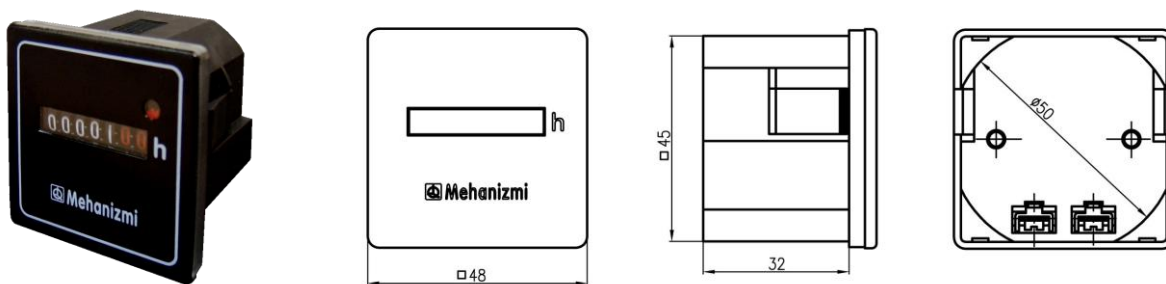


HK 46 – mounting C

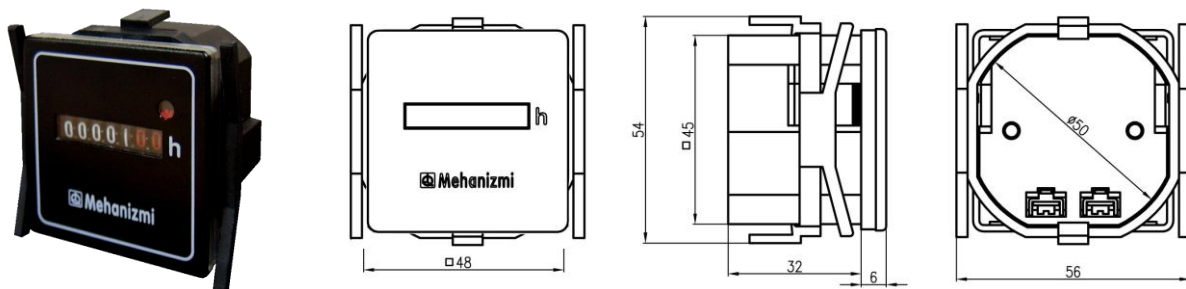
Hour meters



HK 46 – mounting D



HK 46 – mounting F



HK 46 – mounting G