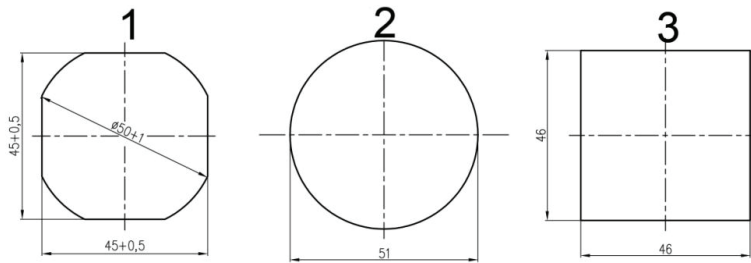# Hour Counter

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Description:

Hour meters HK-46 are designed for the determination and monitoring of operating time, warranty period and maintenance intervals on electrically driven machines and devices, mainly in mechanical processing, woodworking, textile and paper industry, on central heating boilers, electrical furnaces, power drives and rectifiers etc. They are available in a variety of mounting techniques, for all common voltages and with a mounting depth of only 32mm. As a special version, they offer a fully sealed plastic housing. Hour meters are connected in parallel to the control circuit behind the start gear, thus working only 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 restart automatically at 0 when leaving the range limit. There is no separate reset facility.
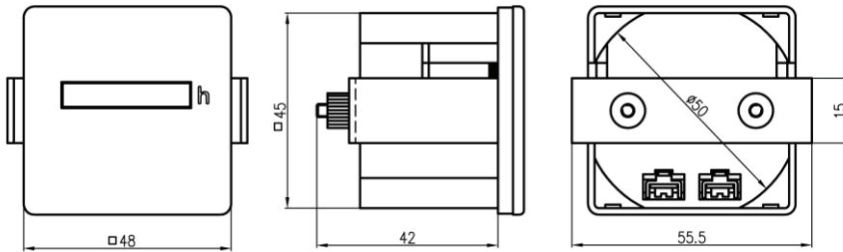
Technical Data	AC	DC
Connection: Combined -Simple	Flat Pins 6.3 × 0.8mm with Screw Terminals Flat Pins 6.3 × 0.8mm	Flat Pins 6.3 × 0.8mm with Screw Terminals Flat Pins 6.3 × 0.8mm
Supply Voltage	25V, 48V, 60V, 110V, 230V, (± 10%)	6 – 30V, 10 – 80V, 110V (± 10%)
Mains Frequency	50Hz, 60Hz	-
Motor	Synchronous Motor	Step Motor
Protection Class	IP 40 front side	IP 40 front side
Operating Temp. Range	-25°C to +80°C	-20°C to +70°C
Reading Accuracy	1/100 hour (36 sec.)	1/10 hour (6min.)
Counting Range	99,999.99 hours	99,999.99 hours
Number of Digits	5 Integers, 2 Decimals	6 Integers, 1 Decimal
Digit Size	4mm	4mm
Digit Colour	Integers: White Decimals: Red	Integers: White Decimals: Red
Housing Colour	Black	Black
Mounting	Fork Clamp G, Snap Fastener F, DIN Rail D, Aluminium Clamp A	Fork Clamp G, Snap Fastener F, DIN Rail D, Aluminium Clamp A
Front Dimensions	48 × 48mm, 72 × 72mm	55 × 55mm, 72 × 72mm
Special Version	IP 65	IP 65

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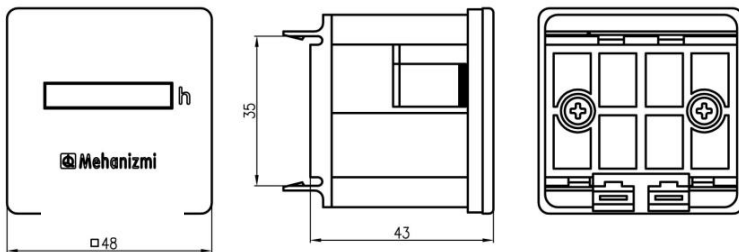
Hour Counter

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Mounting Hole

Mounting A

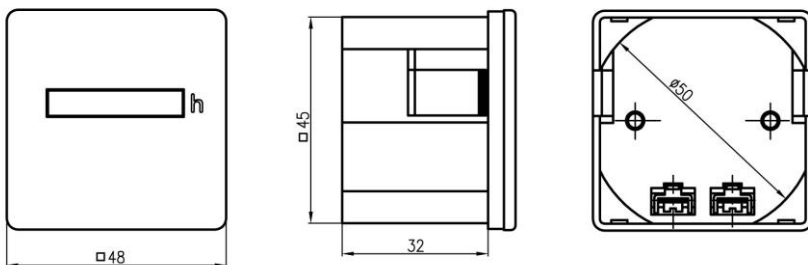
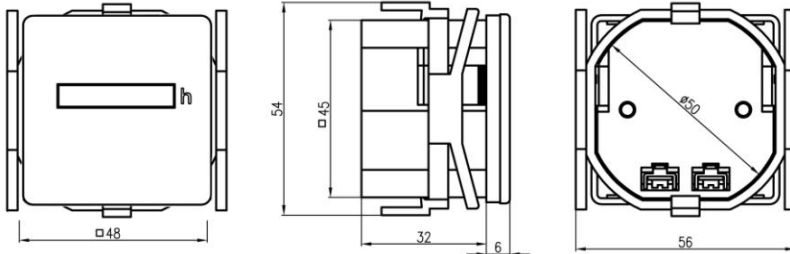| x (mm)	y (mm)	Mounting Hole
48 × 48	6	1
55 × 55	7	1, 2 or 3
72 × 72	7	1, 2 or 3

Mounting D

Mounting F

x (mm)	y (mm)	Mounting Hole
48 × 48	6	1

Dimensions : Millimetres

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Mounting G

Dimensions : Millimetres

x (mm)	y (mm)	Mounting Hole
48 × 48	6	1
55 × 55	7	1, 2 or 3
72 × 72	7	1, 2 or 3

Part Number Table

Description	Part Number
Hour Counter, Elect-Mech	HK4624VAC
	HK46110VAC
	HK46240VAC
Bezel, 55 × 55	HK4655X55
Bezel, 72 × 72	HK4672X72

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