

OMRON Counters



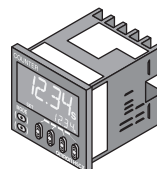
OMRON H7CX-N SERIES: MULTIFUNCTION COUNTER/TACHOMETER

Specifications:

- Body depth
- Screw terminals: 58mm on 12 to 24VDC
78mm on 100 to 240VAC
- Socket models: 63.7mm
- Operating mode: Up/Down key for 4-digit and Up key for 6-digit
- Max. counting speed: 30Hz or 5KHz (switchable)
- Digits: 4-digit (-999 to 9999) / 6-digit (-99999 to 999999)
- UL508 Type 4X and IP66

Features:

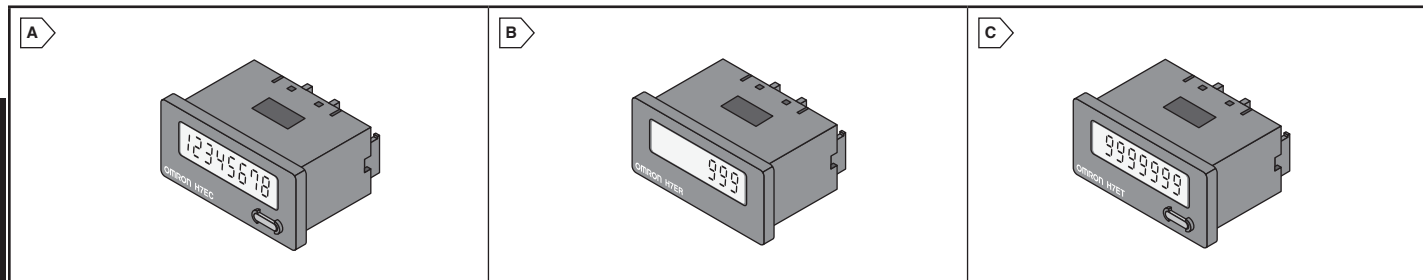
- Ultra short body
- Isolated power supply and input circuits for safety and reliability (except 12 to 24VDC models)
- Set value limit to prevent unexpected operation of output devices caused by setting mistakes
- Easy to read with 12mm values on 4-digit models (10mm for 6-digit)
- Present value display characters can be switched between red, green, and orange in most models.



MOUSER STOCK NO.	Omron Part No.	External Connections	Display Digits	Configuration	Power Supply Voltage	Price Each		
						1	5	10
Standard Type, 1-Stage Setting, Contact Output (SPDT)								
* 653-H7CXA114NA100240	H7CX-A114-N-AC100-240	11-pin socket	4	1-stage and total preset counter	100 to 240VAC	202.98	200.44	194.86
* 653-H7CXA114D1ND14A4	H7CX-A114D1-N-DC12-24/AC24	11-pin socket	4	1-stage and total preset counter	12 to 24VDC	216.00	213.29	207.35
* 653-H7CXA11NAC100240	H7CX-A11-N AC100/240	11-pin socket	6	1-stage and total preset counter	100 to 240VAC	216.00	213.29	207.35
* 653-H7CXA11D1ND14A24	H7CX-A11D1-N DC12-24/AC24	11-pin socket	4	1-stage and total preset counter	12 to 24VDC/24VAC	202.98	200.44	194.86
653-H7CXA4NAC100240	H7CX-A4-N-AC100-240	Screw terminals	4	1-stage and total preset counter	100 to 240VAC	183.84	180.74	172.64
653-H7CXA4DNC1224	H7CX-A4D-N-DC12-24	Screw terminals	4	1-stage and total preset counter	12 to 24VDC	167.28	165.19	160.59
653-H7CX-ANAC100240	H7CX-A-N AC100-240	Screw terminals	6	1-stage and total preset counter	100 to 240VAC	183.84	179.97	174.15
653-H7CXADNC1224	H7CX AD-N DC12-24	Screw terminals	6	1-stage and total preset counter	12 to 24VDC	167.28	165.19	160.59
Standard Type, 1-Stage Setting, Transistor Output (SPST)								
653-H7CXASNAC100240	H7CX-AS-N-AC100-240	Screw terminals	6	1-stage and total preset counter	100 to 240VAC	221.08	216.16	208.70
Standard Type, 2-Stage Settings, Contact Output (SPST + SPDT)								
653-H7CXA4WNAC100240	H7CX-A4W-N-AC100-240	Screw terminals	4	1- or 2-stage, total and preset counter/ batch, dual and twin counter	100 to 240VAC	248.00	244.89	238.08
653-H7CXA4WNAC100240	H7CX-AW-N-AC100-240	Screw terminals	6	1- or 2-stage, total and preset counter/ batch, dual and twin counter, tachometer	100 to 240VAC	243.34	232.50	228.91
653-H7XAWD1NDA14	H7CX-AWD1-N DC12-24 AC24	Screw terminals	6	1- or 2-stage, total and preset counter/ batch, dual and twin counter, tachometer	12 to 24VDC/24VAC	208.50	205.08	196.29
Accessories								
653-Y92F-30	Y92F-30	Description				9.20	8.89	8.73
653-P2CF-11	P2CF-11	Flush mounting adapter				13.16	12.58	12.24
653-P2CF-11-E	P2CF-11-E	11-pin socket, track mounting/front connecting				10.82	10.51	9.99
653-P3GA-11	P3GA-11	Front-connecting socket (finger-safe type)				13.72	13.04	12.61
653-PFP-100N	PFP-100N	11-pin track mounting back connecting socket				6.06	5.90	5.80
653-PFP-M	PFP-M	DIN rail 1m x 7.3mm DIN rail end plate				.65	.62	.57

* Has only red present value display characters

OMRON H7E SERIES: SELF-POWERED TOTALIZERS



Specifications:

- Input: DC Voltage 4.5 to 30VDC
AC Voltage 24 to 240VAC/VDC
- Mounting method: Flush mounting
- External connections: Screw terminals
- Reset: External/Manual

Features:

- Large display with 8.6mm (0.338in) height
- Replaceable battery
- NEMA 4/IP66 front
- Key-protect switch to prevent front resetting
- Short body, all models have a depth of 48.5mm

H7EC - Total Counters

- Operating mode: Up type
- Eight-digits, counting range 0 to 99999999

H7ER - Tachometers

- Operating mode: Up type
- Revolutions display up to five digits

H7ET - Time Counters

- Operating mode: Accumulating
- Seven digits, time range 0 to 3999d23.9h



MOUSER STOCK NO.	Omron Part No.	Fig.	Count Input	Display	Case Color	Price Each			
						1	5	10	25
H7EC Total Counters, Max. Counting Speed: 30Hz ↔ 1kHz									
653-H7EC-N	H7EC-N	A	No-voltage	7-segment LCD	Light gray	120.31	82.14	67.37	57.32
653-H7EC-N-B	H7EC-N-B	A	No-voltage	7-segment LCD	Black	59.67	58.87	57.42	54.83
653-H7EC-NV	H7EC-NV	A	PNP/NPN universal DC voltage	7-segment LCD	Light gray	107.05	102.31	96.63	92.78
653-H7EC-NV-B	H7EC-NV-B	A	PNP/NPN universal DC voltage	7-segment LCD	Black	73.28	69.18	66.08	60.61
653-H7EC-NVBH	H7EC-NV-BH	A	PNP/NPN universal DC voltage	7-segment LCD with backlight	Black	73.28	69.18	66.08	60.61
H7EC Total Counters, Max. Counting Speed: 20Hz									
653-H7EC-NFV-B	H7EC-NFV-B	A	AC/DC multi-voltage	7-segment LCD	Black	74.33	70.98	67.64	64.23
H7ER Tachometers, Max. Revolutions Displayed: 1000.0s-1 (10 pulse/rev.), 1000.0m-1 (600 pulse/rev.) ↔ 10000m-1 (60 pulse/rev.) (Switchable)									
653-H7ER-NV1-B	H7ER-NV1-B	B	PNP/NPN universal DC voltage	7-segment LCD	Black	117.81	108.31	100.23	93.27
H7ET Counters, Time Range: 999999.9h ↔ 3999d23.9h (Switchable)									
653-H7ET-N-B	H7ET-N-B	C	No-voltage	7-segment LCD	Black	78.32	77.26	72.51	67.68
653-H7ET-NFV-B	H7ET-NFV-B	C	AC/DC multi-voltage	7-segment LCD	Black	80.42	78.12	77.40	72.24
653-H7ET-NV-B	H7ET-NV-B	C	PNP/NPN universal DC voltage	7-segment LCD	Black	77.37	73.40	72.34	71.63
H7ET Counters, Time Range: 999h59m59s ↔ 9999h59.9m (Switchable)									
653-H7ET-N1-B	H7ET-N1-B	C	No-voltage	7-segment LCD	Black	78.00	76.35	75.36	74.44
653-H7ET-NFV1-B	H7ET-NFV1-B	C	AC/DC multi-voltage	7-segment LCD	Black	101.65	94.96	90.29	86.95
653-H7ET-NV1	H7ET-NV1	C	PNP/NPN universal DC voltage	7-segment LCD	Light gray	95.97	93.88	90.92	88.74
653-H7ET-NV1-B	H7ET-NV1-B	C	PNP/NPN universal DC voltage	7-segment LCD	Black	76.42	70.75	66.04	63.21
Accessories						Description			
653-Y92F-75	Y92F-75	-	Panel adapter (26x45mm) used with mounting bracket provided with counter			4.12	3.81	3.56	3.30
614-CR2477N	CR2477NTS	-	Replacement battery, 3V lithium button cell			2.90	2.77	2.64	2.51

