

# OMRON Counters



## OMRON H7CX SERIES: 1/16 DIN MULTIFUNCTION DIGITAL COUNTER

**Specifications:**

- Sensor power supply: 12VDC
- PNP/NPN selectable input
- NEMA4/IP66 front
- SPDT contact output rating: 5A @ 250VAC
- Adapter and waterproof packing provided with screw terminal connection types

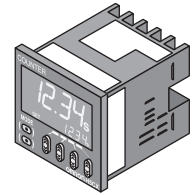
**Features:**

- High speed response up to 5KHz can be scaled to 10KHz
- Programmable display color
- Key protect function



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Connection	No. of Digits	Price Each		
					1	5	10
<b>Standard Counters (1 Stage)</b>							
653-H7CX-A11D-DC12	H7CX-A11D1-DC12-24/AC24	12-24VDC/24VAC	11-pin socket	6	267.18	244.67	232.66
653-H7CX-A-AC100	H7CX-A-AC100-240	100-240VAC	Screw terminal	6	216.14	201.92	191.97
653-H7CX-A4-AC100	H7CX-A4-AC100-240	100-240VAC	Screw terminal	4	216.14	201.92	191.97
<b>Advance Counters (2 Stage)</b>							
653-H7CX-AW-AC100	H7CX-AW-AC100-240	100-240VAC	Screw terminal	6	309.36	283.29	269.39
653-H7CX-AWD1-DC12	H7CX-AWD1-DC12-24/AC24	12-24VDC/24VAC	Screw terminal	6	309.36	283.29	269.39
<b>Accessories</b>							
653-Y92F-30	Y92F-30		Flush mounting adapter		9.02	8.33	7.65
653-P2CF-11	P2CF-11		11-pin socket, track mounting/front connecting		10.11	9.48	8.87
653-P3GA-11	P3GA-11		11-pin track mounting back connecting socket		9.34	8.75	8.19
653-PFP-100N	PFP-100N		DIN rail 1m x 7.3mm		5.92	5.56	5.28
653-PFP-M	PFP-M		DIN rail end plate		.62	.61	.57



H7CX-A Shown

## OMRON H7EC SERIES: SUBMINIATURE, SELF-POWERED TOTAL COUNTER

**Specifications:**

- Max. counting speed: H7EC-NFV-B - 20Hz; H7EC-NV-BH, H7EC-NV-B, and H7EC-N-B - 30Hz or 1kHz (Selectable)
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24VDC supply voltage for backlight

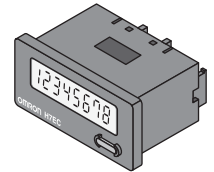
**Features:**

- 8-digit counting range 0 to 99999999
- Key-protect switch to prevent front resetting
- NEMA 4/IP66 front
- Replaceable battery



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Price Each		
				1	5	10
653-H7EC-N-B	H7EC-N-B	No-voltage	7-segment LCD	54.16	50.21	47.26
653-H7EC-NFV-B	H7EC-NFV-B	AC/DC multi-voltage	7-segment LCD	55.02	50.93	49.51
653-H7EC-NV-B	H7EC-NV-B	PNP/NPN universal DC voltage	7-segment LCD	65.46	63.07	61.81
653-H7EC-NVBH	H7EC-NV-BH	PNP/NPN universal DC voltage	7-segment LCD with backlight	65.81	59.21	57.12
<b>Accessories</b>				<b>Description</b>		
653-Y92F-75	Y92F-75		Panel adapter (26x45mm) used with mounting bracket provided w/counter	4.38	4.13	3.77
614-CR2477N	CR2477NTS		Replacement battery, 3V lithium button cell	2.90	2.77	2.64



## OMRON H7ER SERIES: SUBMINIATURE, SELF-POWERED TACHOMETER

**Specifications:**

- Max. counting speed: 1kHz
- Number of digits: 4
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24VDC supply voltage for backlight

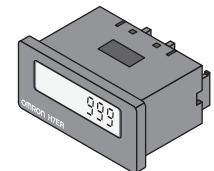
**Features:**

- Dual resolution display according to encoder resolution used
- Black case
- NEMA 4/IP66 front
- Replaceable battery



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Price Each		
				1	5	10
653-H7ER-N-B	H7ER-N-B	No-voltage	7-segment LCD	70.14	66.15	62.07
653-H7ER-NV-B	H7ER-NV-B	PNP/NPN universal DC voltage	7-segment LCD	69.84	65.15	59.84
<b>Accessories</b>				<b>Description</b>		
653-Y92F-75	Y92F-75		Panel adapter (26x45mm) used with mounting bracket provided with counter	4.38	4.13	3.77
653-Y92F-76	Y92F-76		Panel adapter (27.5x52.5mm) used with mounting bracket provided with counter	4.38	4.13	3.77
653-Y92F-77B	Y92F-77B		Panel adapter (24.8x48.8mm) used with mounting bracket provided with counter	4.68	4.62	4.31
614-CR2477N	CR2477NTS		Replacement battery, 3V lithium button cell	2.90	2.77	2.64



## OMRON H7ET SERIES: SUBMINIATURE, SELF-POWERED TIME COUNTER

**Specifications:**

- Minimum pulse width: 1 second
- External/Manual reset
- Operating mode: Up type
- External connections: Screw terminals
- Backlight models requires 24 VDC supply voltage for backlight

**Features:**

- 7 digits, time range 0 to 3999d23.9h
- Key-protect switch to prevent front resetting
- Black case
- NEMA 4/IP66 front
- Replaceable battery



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Selectable Time Range	Price Each		
					1	5	10
653-H7ET-N-B	H7ET-N-B	No-voltage	7-segment LCD	999999.9h or 3999d23.9h	68.73	67.08	65.85
653-H7ET-N1-B	H7ET-N1-B	No-voltage	7-segment LCD	999h59m59s or 9999h59.9m	71.75	69.32	67.17
653-H7ET-NFV-B	H7ET-NFV-B	AC/DC multi-voltage	7-segment LCD	999999.9h or 3999d23.9h	80.42	78.12	77.75
653-H7ET-NV-B	H7ET-NV-B	PNP/NPN universal DC voltage	7-segment LCD	999999.9h or 3999d23.9h	110.84	105.30	99.75
653-H7ET-NV1-B	H7ET-NV1-B	PNP/NPN universal DC voltage	7-segment LCD	999h59m59s or 9999h59.9m	68.27	66.44	65.66
653-H7ET-NV1-BH	H7ET-NV1-BH	PNP/NPN universal DC voltage	7-segment LCD w/backlight	999h59m59s or 9999h59.9m	68.27	66.44	65.66
<b>Accessories</b>					<b>Description</b>		
653-Y92F-75	Y92F-75		Panel adapter(26 x 45mm)used with mounting bracket provided with counter	4.38	4.13	3.77	
653-Y92F-76	Y92F-76		Panel adapter(27.5 x 52.5mm)used with mounting bracket provided with counter	4.38	4.13	3.77	
653-Y92F-77B	Y92F-77B		Panel adapter(24.8x48.8mm)used with mounting bracket provided with counter	4.68	4.31	3.94	
614-CR2477N	CR2477NTS		Replacement battery, 3V lithium button cell	2.90	2.77	2.64	

