

OMRON Counters



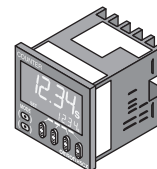
OMRON H7CX-N SERIES: MULTIFUNCTION COUNTER/TACHOMETER

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.

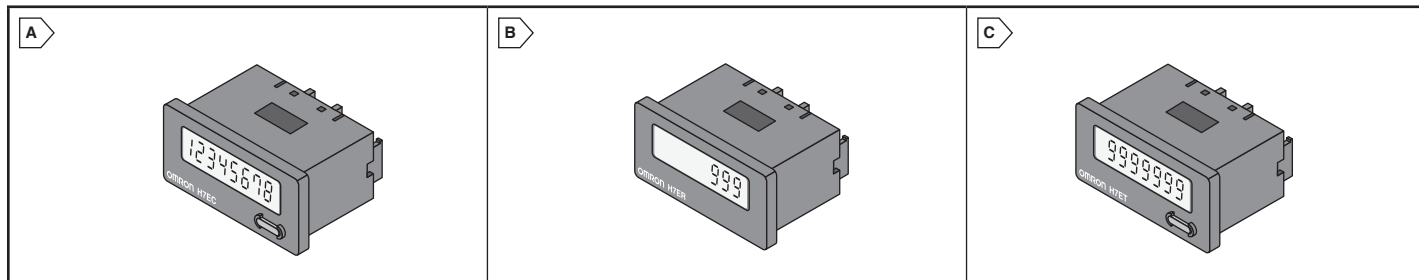


For quantities greater than listed, call for quote.

| 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 | 207.70 | 201.46 | 195.42 |
| * 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 | 209.95 | 203.65 | 197.54 |
| * 653-H7CXA11D1ND14A24 | H7CX-A11D1-N DC12-24/AC24 | 11-pin socket | 4 | 1-stage and total preset counter | 12 to 24VDC/24VAC | 209.95 | 208.79 | 202.97 |
| 653-H7CXA4NAC100240 | H7CX-A4-N-AC100-240 | Screw terminals | 4 | 1-stage and total preset counter | 100 to 240VAC | 201.23 | 192.19 | 183.58 |
| 653-H7CXA4DNDC1224 | 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 | 192.07 | 188.02 | 181.94 |
| 653-H7CXADNDC1224 | H7CX-AD-N DC12-24 | Screw terminals | 6 | 1-stage and total preset counter | 12 to 24VDC | 167.28 | 163.64 | 162.39 |
| 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 | 195.37 | 189.50 | 183.82 |
| 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-H7CXAWNAC100240 | 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 | 241.06 | 234.37 | 230.75 |
| 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 | | | | 12.08 | 11.73 | 11.15 |
| 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

For quantities greater than listed, call for quote.

| 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 | 81.91 | 73.19 | 67.37 | 57.32 |
| 653-H7EC-N-B | H7EC-N-B | A | No-voltage | 7-segment LCD | Black | 59.67 | 58.73 | 57.42 | 54.83 |
| 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 (60 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 | 96.15 | 93.28 | 89.28 | 86.80 |
| H7ET Counters, Time Range: 99999.9h ↔ 3999d23.9h (Switchable) | | | | | | | | | |
| 653-H7ET-N-B | H7ET-N-B | C | No-voltage | 7-segment LCD | Black | 76.79 | 74.90 | 72.51 | 67.68 |
| 653-H7ET-NFV-B | H7ET-NFV-B | C | AC/DC multi-voltage | 7-segment LCD | Black | 86.77 | 82.95 | 80.58 | 78.34 |
| 653-H7ET-NV-B | H7ET-NV-B | C | PNP/NPN universal DC voltage | 7-segment LCD | Black | 77.37 | 73.40 | 72.25 | 71.63 |
| H7ET Counters, Time Range: 999h59m59s ↔ 9999h59.9m (Switchable) | | | | | | | | | |
| 653-H7ET-N1-B | H7ET-N1-B | C | No-voltage | 7-segment LCD | Black | 75.03 | 73.45 | 72.49 | 71.61 |
| 653-H7ET-NFV1-B | H7ET-NFV1-B | C | AC/DC multi-voltage | 7-segment LCD | Black | 94.28 | 92.02 | 87.49 | 84.26 |
| 653-H7ET-NV1-B | H7ET-NV1-B | C | PNP/NPN universal DC voltage | 7-segment LCD | Black | 73.62 | 68.16 | 63.62 | 60.89 |
| Accessories | | | | | | Description | | | |
| 653-Y92F-75 | Y92F-75 | - | Panel adapter (26x45mm) used with mounting bracket provided with counter | | | 4.22 | 3.90 | 3.64 | 3.38 |
| 614-CR2477N | CR2477NTS | - | Replacement battery, 3V lithium button cell | | | 2.90 | 2.77 | 2.64 | 2.51 |