

At Eclatorq we fuse the tools of today with the technologies of tomorrow to create a new generation of high tech tools. Built from almost a decade of high tech R&D and innovation, our Digital Tools provide users with unprecedented levels of control, accuracy and convenience. It is this commitment to creating ever more advanced and “smarter” tools that makes Eclatorq today’s leading manufacturer of Digital Tools, and changes not only the way people use tools, but how they define them.



# Digital Screwdriver (SD/SP Series)

## Main Features

- Digital torque value readout
- +/- 1% or +/-2% accuracy
- CW and CCW operation
- Peak hold and track mode selectable
- Buzzer and LED indicator for the 9 pre-settable target torques
- Engineering units (cN-m, in-lb, kg-cm) selectable
- 50 or 250 data memory for recall and joint torque auditing
- Communication functions
- Auto power off after about 5 minutes idle
- Rechargeable batteries are compatible
- **The only difference between SD and SP series is the handle shape**



Model : SP-05XX ~ SP-4XX  
Range : 5 ~ 400 cN.m  
Bit Size (inches) : 1/4"  
Accuracy :  $\pm 1\%$  or  $\pm 2\%$  ( CW )

Head Type:  
Bits

Autolock Bit  
Holder

Buzzer

Unique code for  
each wrench

Unit: cN-m / in-lb  
/ kg-cm

Resolution:  
0.1 cN-m

Overload record

Mode: Peak hold  
Track

Online-calibration port

Water indicator inside

Bright LEDS

Anti-slip grip handle

Strict environment  
test passed

Support AAA x 1  
rechargeable battery

| Model *1                              | SD-05 / SP-05                                   |                                   | SP-2   |     |                                   |     | SP-4  |     |                                   |     |
|---------------------------------------|---|-----------------------------------|--|-----|-----------------------------------|-----|---|-----|-----------------------------------|-----|
|                                       | BN  | BU                                | AN   | AU  | BN                                | BU  | AN  | AU  | BN                                | BU  |
| Accuracy *2                           | CW : $\pm 2\%$<br>CCW : $\pm 3\%$               | CW : $\pm 2\%$<br>CCW : $\pm 3\%$ | CW : $\pm 1\%$<br>CCW : $\pm 2\%$                  |     | CW : $\pm 2\%$<br>CCW : $\pm 3\%$ |     | CW : $\pm 1\%$<br>CCW : $\pm 2\%$                   |     | CW : $\pm 2\%$<br>CCW : $\pm 3\%$ |     |
| Max. Torque                           | 50 cN-m<br>4.42 in-lb<br>5.1 kg-cm              |                                   | 200 cN-m<br>17.7 in-lb<br>20.41 kg-cm              |     |                                   |     | 400 cN-m<br>35.39 in-lb<br>40.82 kg-cm              |     |                                   |     |
| Torque Measuring Range                | 5~50 cN-m<br>0.44~4.42 in-lb<br>0.51~5.1 kg-cm  |                                   | 10~200 cN-m<br>0.88~17.7 in-lb<br>1.02~20.41 kg-cm |     |                                   |     | 20~400 cN-m<br>1.77~35.39 in-lb<br>2.04~40.82 kg-cm |     |                                   |     |
| Accuracy Guaranteed Range             | 10~50 cN-m<br>0.88~4.42 in-lb<br>1.02~5.1 kg-cm |                                   | 40~200 cN-m<br>3.54~17.7 in-lb<br>4.08~20.41 kg-cm |     |                                   |     | 80~400 cN-m<br>7.08~35.39 in-lb<br>8.16~40.82 kg-cm |     |                                   |     |
| Resolution                            | 0.1 cN-m<br>0.01 in-lb<br>0.01 kg-cm            |                                   | 0.1 cN-m<br>0.01 in-lb<br>0.01 kg-cm               |     |                                   |     | 0.1 cN-m<br>0.01 in-lb<br>0.01 kg-cm                |     |                                   |     |
| Pre-setting No.                       | 9 Sets  |                                   | 9 Sets   |     |                                   |     | 9 Sets  |     |                                   |     |
| Bright LED                            | 2 LED (1 Red+1 Green)                           |                                   | 2 LED (1 Red+1 Green)                              |     |                                   |     | 2 LED (1 Red+1 Green)                               |     |                                   |     |
| Operation Mode                        | Peak hold / Track                               |                                   | Peak hold / Track                                  |     |                                   |     | Peak hold / Track                                   |     |                                   |     |
| Unit Selection                        | cN-m, in-lb, kg-cm                              |                                   | cN-m, in-lb, kg-cm                                 |     |                                   |     | cN-m, in-lb, kg-cm                                  |     |                                   |     |
| Length (mm)                           | 193 / 203                                       |                                   | 203  |     |                                   |     | 203   |     |                                   |     |
| Bit end fitting (inch)                | 1/4   |                                   | 1/4  |     |                                   |     | 1/4   |     |                                   |     |
| Head Type                             | Autolock bit holder                             |                                   | Autolock bit holder                                |     |                                   |     | Autolock bit holder                                 |     |                                   |     |
| Data Memory Size                      | 50  | 250                               | 50   | 250 | 50                                | 250 | 50  | 250 | 50                                | 250 |
| Communication *3                      | No  | Yes                               | No   | Yes | No                                | Yes | No  | Yes | No                                | Yes |
| Button                                | 5   |                                   | 5  |     |                                   |     | 5   |     |                                   |     |
| Battery *4                            | AAA x 1   |                                   | AAA x 1  |     |                                   |     | AAA x 1   |     |                                   |     |
| Operating Temperature                 | -10°C ~60°C                                     |                                   | -10°C ~60°C  |     |                                   |     | 10°C ~60°C  |     |                                   |     |
| Storage Temperature                   | -20°C ~70°C                                     |                                   | -20°C ~70°C  |     |                                   |     | -20°C ~70°C   |     |                                   |     |
| Humidity                              | Up to 90% non-condensing                        |                                   | Up to 90% non-condensing                           |     |                                   |     | Up to 90% non-condensing                            |     |                                   |     |
| Drop Test                             | 1 m   |                                   | 1 m  |     |                                   |     | 1 m   |     |                                   |     |
| Vibration Test *5                     | 10G   |                                   | 10G  |     |                                   |     | 10G   |     |                                   |     |
| Environmental Test *6                 | Pass  |                                   | Pass   |     |                                   |     | Pass  |     |                                   |     |
| Electromagnetic Compatibility Test *7 | Pass  |                                   | Pass   |     |                                   |     | Pass  |     |                                   |     |

