

# ReadStar & CapStar Range Torque Readouts & Torque Testers



**The ReadStar range enables the measurement and collection of torque data.**

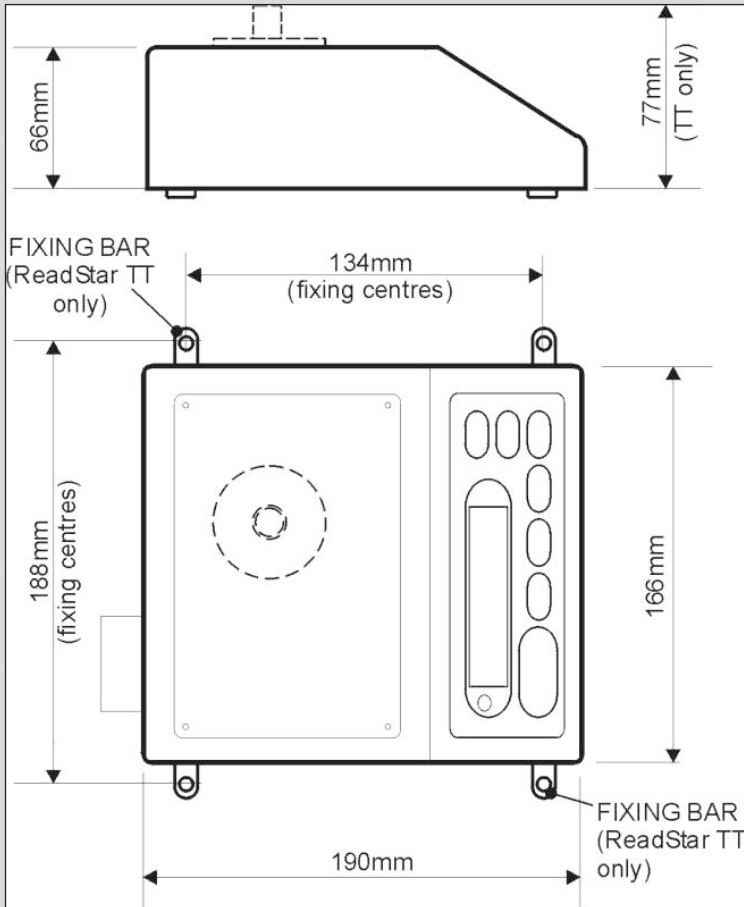
The ReadStar range comprises ReadStar II, ReadStar TT and CapStar II. These are basic, easy to use readouts which allow storage of up to 200 readings. Multilingual software and a consistent user interface throughout the range ensure ease of use.

The ReadStar II works with external torque transducers, whilst the ReadStar TT has a built-in torque transducer and CapStar II has a bottle top or adjustable component fixture.

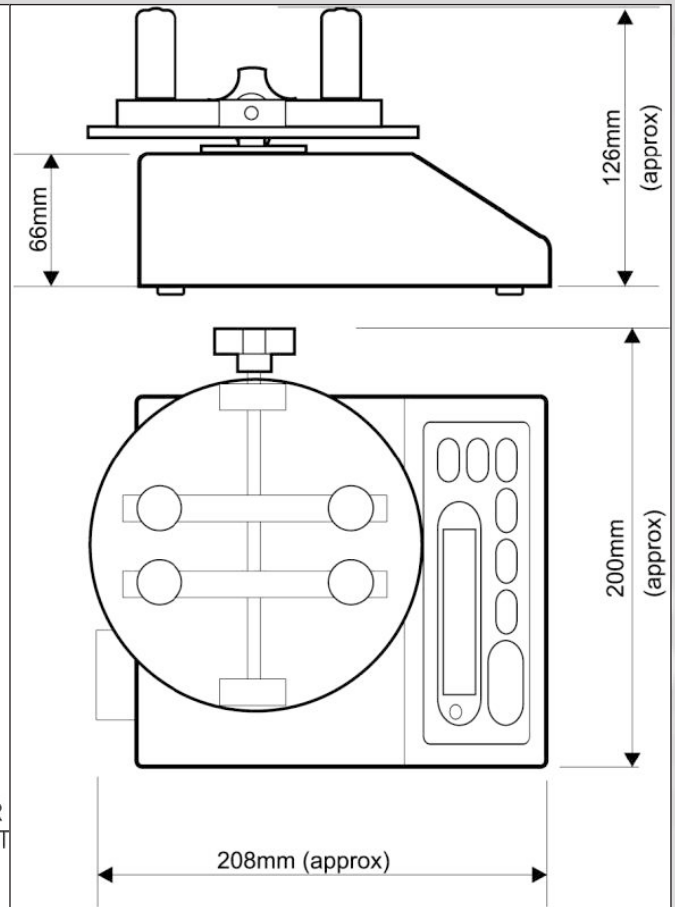
All the ReadStar series have various modes and can measure track, peak, 1st peak (click) and pulse. Results are shown on an easy read display. Time and date stamped readings can be set to print automatically. The ReadStar range can be powered using "C" cells, rechargeable batteries or from the mains. All 3 products can either be fixed permanently or used as a portable device.



### ReadStar II/TT



### CapStar II



### WEIGHT

ReadStar II 0.9Kg

ReadStar TT 2.3Kg

CapStar II 3Kg

### DIMENSIONS

ReadStar II 166mm (W) x 190mm (D) x 66mm (H)

ReadStar TT 166mm (W) x 190mm (D) x 75mm (H)

CapStar II 200mm (W) x 208 (D) x 126 (H)

## Product Codes

### ReadStar

RS-968-01CR-0-0 READSTAR II -BASIC READOUT UNIT  
RS-969-01CR-1-0 1 Nm 8.8IN/LB READSTAR TT  
RS-970-01CR-4-0 4 Nm 35IN/LB READSTAR TT  
RS-971-01CR-12-0 12 Nm 106IN/LB READSTAR TT  
RS-972-01CR-30-0 30 Nm 265IN/LB READSTAR TT  
RS-980-03CR-0-UK/EUR/USA CAPSTAR II & READSTAR II POWER SUPPLY

### CapStar

RS-980-01CR-4-0 4Nm CAPSTAR II  
RS-980-01CR-2-0 2Nm CAPSTAR II  
RS-980-01CR-6-0 6Nm CAPSTAR II  
BT-479-1-0 CAPSTAR II - Long Pegs  
RS-980-03CR-0-UK/EUR/USA CAPSTAR II & READSTAR II POWER SUPPLY  
BT-479-6-0-0-0 CAPSTAR II PRINTER and PAPER ROLL

### Packing List

The following items are supplied with the units.

#### READSTAR II

1 x ReadStar II Digital Torque Reader 1 x User Manual 1x Camera (Neck) Strap  
2 x 'C' cell batteries

#### READSTAR TT

1 x ReadStar TT

#### CAPSTAR II

1 x CapStar II Bottle Top Tester  
1 x User Manual  
2 x 'C' cell batteries  
1 x Bottle top/Adjustable component fixture

#### **ReadStar Range Technical Specification:**

|                                     |   |
|-------------------------------------|---|
| <b>Accuracy:</b>                    | + or – 0.5% of rated maximum transducer capacity  |
| <b>Overload Capacity:</b>           | 125% of stated maximum transducer capacity  |
| <b>Zero Drift:</b>                  | <0.1% of rated maximum transducer capacity  |
| <b>Operating Temperature Range:</b> | +5°C to +40°C   |
| <b>Temperature Stability:</b>       | + or – 0.1% per degree Celsius  |
| <b>Sealing:</b>                     | IP40  |
| <b>Humidity:</b>                    | 5% to 75% non condensing  |
| <b>Serial Interface:</b>            | 9 way female 'D' connector  |
| <b>Frequency response:</b>          | User selectable in 6 steps from 68Hz to 4385Hz  |
| <b>Calibration:</b>                 | Issued with calibration certificate traceable to national & international standards<br>12 months typical recalibration interval |
| <b>Warranty:</b>                    | 12 months parts and labour  |
| <b>Servicing:</b>                   | Crane Electronics Ltd offer a full repair facility and calibration to UKAS and international standards                          |
| <b>Power:</b>                       | Two type 'C' cells, rechargeable batteries, main power (needs optional power supply)  |
| <b>Construction:</b>                | ABS cover; Steel base   |
| <b>Output:</b>                      | Serial dump – no handshaking (USB)  |
| <b>Mains Adaptor Power:</b>         | Input: 230V AC 50 Hz 70mA (UK and Euro models)  |
| <b>Requirements:</b>                | Input: 115 AC 60 Hz 120mA (US models) Output: 9V DC 300mA (all models)  |

**ReadStar II**



- Robust but lightweight
- Switchable auto print or auto send to PC
- Tricolour LED indication of torque status
- Choice of measurement units
- Clear easy-read display
- Easy to use membrane keypad

**ReadStar TT**



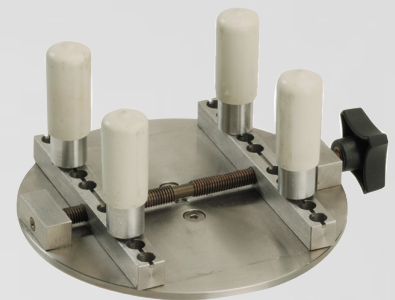
- Robust but lightweight
- Switchable auto print or auto send to PC
- Choice of transducer sizes: 1,4,12,30Nm
- Tricolour LED indication of torque status
- Choice of measurement units
- Clear easy-read display
- Easy to use membrane keypad

**Key Features:**

- ✓ Accurate and simple to operate
- ✓ 200 date and time stamped reading memory Download to a PC or printer
- ✓ Automatic transducer recognition with Crane UTA transducers (ReadStar II)
- ✓ Built in transducer (ReadStar TT)



## CapStar II



### Key Features

- ✓ 2Nm, 4Nm and 6Nm available
- ✓ Drip proof, durable and portable
- ✓ Accurate digital measurement of bottle top torque (sigma, mean and range)
- ✓ 200 date and time stamped reading memory
- ✓ Data can be downloaded to PC or printer
- ✓ Programmable torque threshold for fast and easy testing
- ✓ 6Nm available with 5 litre clamp fixture

# Complete torque management systems from Crane Electronics

