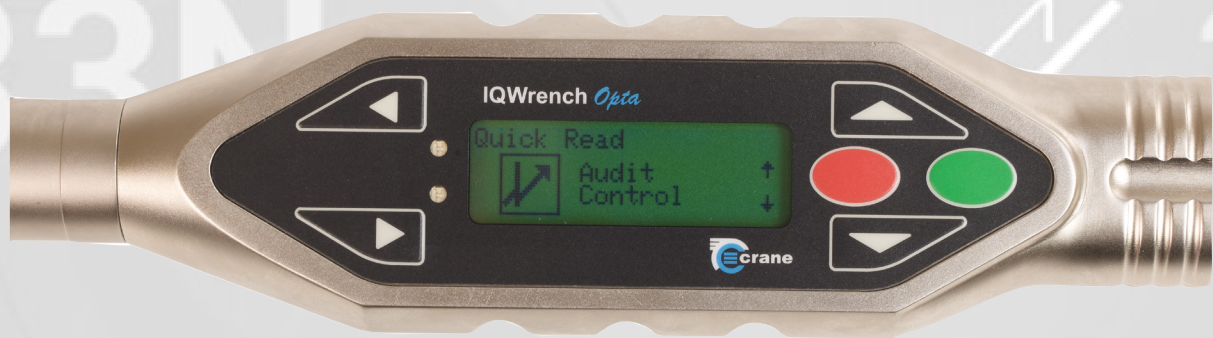


# IQWrench2

## Intelligent Digital Torque Wrench



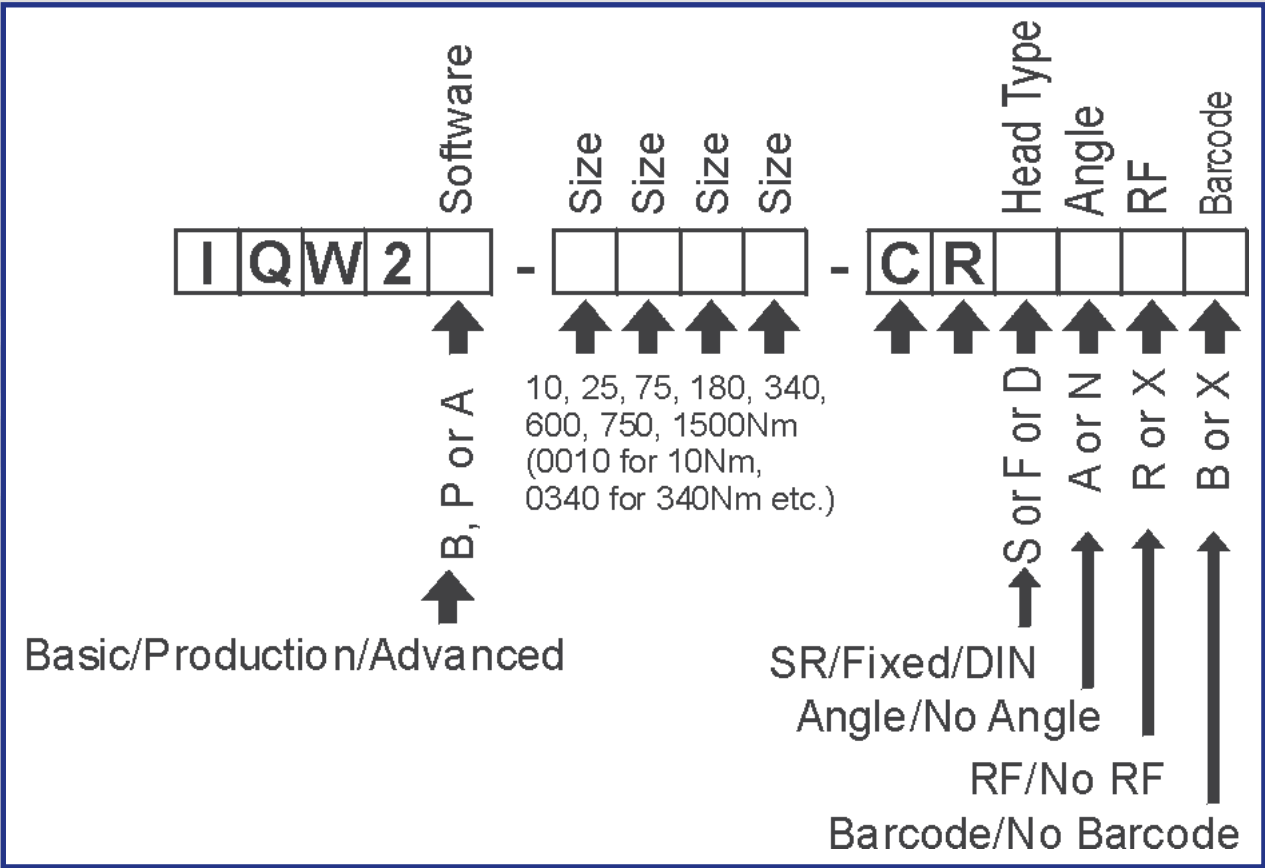
The IQWrench2 combines all of the features of a high specification digital torque wrench with a data collection system in one ergonomic, versatile and incredibly powerful package. Its software can be upgraded at any time to give greater flexibility. Basic to advanced versions are available depending on customer's application and requirements. Barcode reader and RF wireless transfer are also optional. Its robust and rugged construction is suitable for harsh production environments.



#### **Key features**

- ✓ Torque range 0.5 to 1500Nm
- ✓ Torque and angle measurement technology
- ✓ Point of load insensitive
- ✓ Vibrating handle giving a clear indication of fastener status
- ✓ Advanced software: RF communication, barcode, MoveOn, Trace, Yield
- ✓ Head type versions: SR, fixed, Din
- ✓ Interfaces to Crane OMS software
- ✓ Job/Rounds settings

**IQWrench2 Product Code Creator**



**Supplied:**

- Cradle & mains lead
- Calibration certificate
- User manual and quick start guide
- Communications software

| Size  | Head         | Torque Range |            | Drive | Length* |        | Weight |       |
|-------|--------------|--------------|------------|-------|---------|--------|--------|-------|
|       |              | Nm           | lbft       |       | mms     | inches | gms    | lbs   |
| 10/25 | Fixed or Din | 1-25         | 0.74-7.4   | 1/4"  | 313     | 12.32  | 890    | 1.96  |
| 10/25 | Din          | 1-25         | 1.8-18.4   | 1/4"  | 368     | 14.49  | 960    | 2.12  |
| 75    | Din          | 7.5-75       | 5.5-55.3   | 3/8"  | 382     | 15.04  | 1030   | 2.27  |
| 180   | Din          | 18-180       | 13.2-132.7 | 1/2"  | 660     | 23.62  | 1546   | 3.41  |
| 340   | Din          | 34-340       | 25-250.6   | 1/2"  | 775     | 30.51  | 2012   | 4.44  |
| 600   | Din          | 60-600       | 44.2-442.5 | 3/4"  | 1100    | 43.31  | 3500   | 10.36 |
| 750   | Fixed        | 75-750       | 55.2-552.7 | 3/4"  | 1165    | 45.87  | 5600   | 12.35 |
| 1500  | Fixed        | 150-1500     | 110.5-1105 | 1"    | 1908    | 75.12  | 10900  | 24.03 |

\*Overall Length

### Accessories List

IQWrench2 Opta Charging Cradle

IQWrench2 Opta Programming Cradle

IQWrench2 Opta Power Supply

USB Cable

RS232 Cable

RF Receiver – 2 Volt free relay outputs (UK/EUR version)

RF Receiver – 2 Volt free relay outputs (USA version)

RF Receiver – 10 Volt free relay outputs (UK/EUR version)

RF Receiver – 10 Volt free relay outputs (USA version)

Carry case and foams (Suitable to carry 10,25 and 75Nm only)

IQW2S-0000-CRCCXX

IQW2S-0000-CRCPUX

IQW2S-0000-CRPXXX

090260

090184

IQRX4-0000-NET

IQRX5-0000-NET

IQRX6-0000-NET

IQRX7-0000-NET

IQW2S-0000-CRCFXX

**IQWrench2 Technical Specification:**

|                                    |  |
|------------------------------------|--|
| <b>Measurement units:</b>          | Nm, Ncm, kgfcm, kgfm, ozin, lbin, lbft (depends on span)   |
| <b>Measurement modes:</b>          | Track, Peak (Auto-reset), Angle, Yield, Audit, MoveOn  |
| <b>Data storage:</b>               | 200 reading memory of both parameter values with time and date stamp<br>Up to 50,000 readings in job store mode<br>Up to 50 graphs   |
| <b>Printer compatability:</b>      | Via RS232 output: 40/80 columns<br>English, German, French, Spanish, Italian, Swedish, Czech, Portuguese, Turkish  |
| <b>Construction:</b>               | Shaft material: Steel<br>Housing: Aluminium<br>Overload capacity: 125% rated torque<br>Square drives fitted with pin and spring socket retainer<br>DIN sockets with quick release function |
| <b>Display:</b>                    | Backlit graphic LCD display with backlight auto off to save power  |
| <b>Zero stability:</b>             | < ± 0.1% FSD/°C  |
| <b>Static accuracy:</b>            | ± 0.5% FSD   |
| <b>Operating Environment:</b>      | Temperature: +5°C to +40°C<br>Ingress Protection rating: IP40. Can be used outdoors  |
| <b>Optional angle measurement:</b> | +/- 1%   |
| <b>Warranty:</b>                   | 12 months parts and labour against faulty workmanship or materials   |

**IQWrench2 software versions: torque only or torque and angle**

- Basic and basic with angle
- Advanced and advanced with angle
- Production and production with angle

### ID Heads

The IQWrench2 has easy selection of quick release interchangeable heads. The Crane auto ID system can be fitted to standard DIN heads and offers up to 999 unique IDs programmed into OMS.

The use of available automatic digital ID heads ensures a highly accurate reading every time.

ID heads can also be used for automatic Job selection which minimizes the input required by the operator.



### Three variants of charging cradles:

Charge cradle – charging (basic & advanced IQWrench2)

RS232 – communications and charging (production IQWrench2)

USB – communications and charging (production IQWrench2)

### Cradle functions:

- ✓ Recharging the battery (for 8 hours continuous use)
- ✓ Programming the tool with Jobs/Rounds/ID table
- ✓ Downloading readings (if no wireless option)



**RF**

IQWrench2 operates at a user programmable frequency of 868/915MHz according to country of installation.

- ✓ Data transfer from wrench to PC/PLC
- ✓ Integration into the OMS system to collect production data against multiple Jobs.
- ✓ Remote selection of Jobs
- ✓ Integration into 3rd party systems
- ✓ Transfer of a Job to the wrench



**Barcode reader:**

IQWrench2 features an optional barcode reader capable of scanning all major 1D barcode formats.

- ✓ Job or Round selection
- ✓ User details to login and store against the data
- ✓ Link data to the part/VIN number



# Complete torque management systems from Crane Electronics



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