QX Series Precision Screwdriver

QX Series Angle Wrenches

REAL TOOLS FOR REAL WORK.”
Next-Generation Productivity.

The innovative QX Series is a revolutionary step for your entire facility, one that shows how a smarter tool can improve process control, operator comfort and data communication in a single package, while increasing productivity, lowering costs and ensuring a high-quality product at the end of your line—all at a price you can afford today.

Tools that put you in total control are the future of assembly. That future is here, that future is REAL.

NOT JUST TORQUE CONTROL, BUT TOTAL CONTROL.

Accuracy:
• Ingersoll Rand’s patented closed-loop transducer control at the heart of the tool delivers precise torque and accurate, traceable results—it’s precision where you need it most

Control:
• A multi-function display module allows for quick setup and feedback on every QX Series tool
• Eight user-programmable configurations per tool for torque, angle and speed make it one tool that does the work of eight, reducing costs and workspace clutter

Comfort:
• Compact, lightweight and ergonomically balanced so the operator can work without restraints
• Cordless and compact, the QX Series is designed for safe and clean operation

Communication:
• A wireless communication option facilitated by Ingersoll Rand’s dedicated Process Communication Module (PCM) helps integrate the tool and the assembly line into a true plant-wide network
• Manage data, process control and the ability to adjust tool configurations in real time using Ethernet, Fieldbus or I/O

A Technological Vision.

Ingersoll Rand’s design team started with a bold idea—to engineer a new class of advanced cordless fastening tools that could deliver closed-loop, multi-configuration control and precision at an affordable price. This idea has become a reality with the QX Series.

The QX Series Precision Screwdriver and Angle Wrench are designed with innovative technological features that set them apart from all other tools in their categories.

The Building Blocks of Ingenious Engineering.

Control:
Multi-Function Display Module
• User-friendly display shows results and accepts programming inputs
• Up to eight user-programmable fastening configurations
• Stores cycle data for up to 1,200 rundowns

Precision:
Patented Closed-Loop Transducer
• Accurately senses torque to manage the fastening cycle
• Ultimate process control
• Advanced strategies like angle control, prevailing torque and torque monitoring

Power Management:
Digital Signal Processor
• Accurately controls motor for precision fastening
• Monitors torque, angle and motor current while communicating end-of-run data
• Eliminates the need for costly external controller

Efficiency:
Advanced Power Board
• Controls DC motor to drive tools through user-programmed torque, angle and speed profiles
• Modulates power from lithium-ion battery to optimize performance

Communication:
Intelligent Radio Board
• An optional feature that transmits end-of-run data wirelessly to the Process Communication Module (PCM)
• PCM transmits data to database or assembly line control system via Ethernet, Fieldbus or I/O

Durability:
DC Brushless Motor
• Drives QX Series precision power train
• No brushes to wear out or leave carbon residue
• Efficient rare earth magnet motor designed for more than a million cycles
Engineering The Future.

A Plant-Wide Network for Plant-Wide Productivity.

Ingersoll Rand doesn't just give you unprecedented technology; we want to give you total control of that technology. Our Process Communication Module allows for control that translates into maximum productivity and efficiency.

10 to 1:
Every Process Communication Module can communicate with up to 10 individual QX Series tools.

Real-Time Monitoring
Data Archiving
Process Control

When not using the wireless networking option, each QX Series tool can communicate with a computer via USB port.
### QX Series Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>CPN</th>
<th>Torque</th>
<th>Speed</th>
<th>RPM</th>
<th>CL</th>
<th>In</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>QXX2AT05PQ4</td>
<td>47516834003</td>
<td>3.6–18</td>
<td>500</td>
<td>0.91</td>
<td>212.0</td>
<td>20.3–26.0</td>
<td>Wireless Enabled</td>
</tr>
<tr>
<td>QXX2AT10PS6</td>
<td>47516834001</td>
<td>3.6–18</td>
<td>500</td>
<td>0.91</td>
<td>215.4</td>
<td>20.3–26.0</td>
<td>Via USB Cable</td>
</tr>
<tr>
<td>QXX2PT12PS6</td>
<td>47104021</td>
<td>1.6–8</td>
<td>1,150</td>
<td>0.91</td>
<td>212.0</td>
<td>20.3–26.0</td>
<td>Wireless Enabled</td>
</tr>
<tr>
<td>QXX2PT04PS4</td>
<td>47104021</td>
<td>0.8–4</td>
<td>1,500</td>
<td>0.91</td>
<td>212.0</td>
<td>20.3–26.0</td>
<td>Via USB Cable</td>
</tr>
<tr>
<td>QXX2PT12PQ4</td>
<td>47104021</td>
<td>1.6–8</td>
<td>1,150</td>
<td>0.91</td>
<td>212.0</td>
<td>20.3–26.0</td>
<td>Wireless Enabled</td>
</tr>
<tr>
<td>QXX2PT04PS4</td>
<td>47104021</td>
<td>0.8–4</td>
<td>1,500</td>
<td>0.91</td>
<td>212.0</td>
<td>20.3–26.0</td>
<td>Via USB Cable</td>
</tr>
<tr>
<td>QXX2AT27PS6</td>
<td>47515592002</td>
<td>5.4–27</td>
<td>330</td>
<td>1.68</td>
<td>552</td>
<td>17</td>
<td>Wireless Enabled</td>
</tr>
<tr>
<td>QXX2AT18PQ4</td>
<td>47510887007</td>
<td>3.6–18</td>
<td>500</td>
<td>1.27</td>
<td>542</td>
<td>13</td>
<td>Via USB Cable</td>
</tr>
<tr>
<td>QXX2AT18PS6</td>
<td>47510887006</td>
<td>3.6–18</td>
<td>500</td>
<td>1.27</td>
<td>542</td>
<td>13</td>
<td>Via USB Cable</td>
</tr>
<tr>
<td>QXX2AT27PS6</td>
<td>47510887005</td>
<td>3.6–18</td>
<td>500</td>
<td>1.27</td>
<td>542</td>
<td>13</td>
<td>Via USB Cable</td>
</tr>
</tbody>
</table>

### QX Series Process Communication Module (PCM)

<table>
<thead>
<tr>
<th>Main Power Supply</th>
<th>Tool Connectors</th>
<th>Software</th>
<th>Communication</th>
<th>Fieldbus Options</th>
<th>Protocols</th>
<th>Printer/Devices</th>
<th>U/O</th>
<th>U/O Power Supply</th>
</tr>
</thead>
</table>

### Batteries

All QX Series tools are compatible with both the BL2010 and BL2005 batteries. The BL2010 is optimum for longer use applications, while the BL2005 is ideal for tighter spaces and reduced weight. The new QX Series IQV40 high torque tools utilize the BL4011 40V battery for increased torque and runtime.

### Accessories

- **Auxiliary Heads**
  - CPN 45491073
  - CPN 45637113
  - CPN 45637133
  - CPN 45637143
  - CPN 45637153
  - CPN 45637163

- **Socket Selectors**
  - CPN 47518796
  - CPN 47518800
  - CPN 47518801
  - CPN 47518802

- **In-Head Boots**
  - CPN 47510965001
  - CPN 47510965002

- **Motor Boots**
  - CPN 47510965001
  - CPN 47510965002

- **Blades**
  - CPN 47510965003
  - CPN 47510965004
  - CPN 47510965005

- **Power Cables**
  - CPN 47518796
  - CPN 47518800
  - CPN 47518801
  - CPN 47518802

- **Wrench Extension**
  - CPN 47518796
  - CPN 47518800
  - CPN 47518801
  - CPN 47518802
Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a $12 billion global business committed to a world of sustainable progress and enduring results.

Ingersoll Rand, IR, the IR logo, IQv20 Series, IQv12 Series, Impactool and Inline are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners.

Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand’s standard terms and conditions of sale for such products, which are available upon request.

Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.

Distributed by:

IRITS-0812-043 0615 EUEN_QX Series Brochure