

Expert EXT Series

Calibration Equipment



Being a premier supplier of Assembly Solutions for leading global manufacturing companies requires a consistent focus on innovation.

The latest result of Ingersoll Rand's focus on Innovation delivers...

SIMPLICITY + PERFORMANCE

Expert EXT Series Calibration Equipment



*the ideal quality-control
companion for assembly
operations with stringent
torque control standards*

SIMPLICITY + PERFORMANCE

Expert EXT Series Calibration Equipment



use it for:

- *Setting the torque on your precision tools*
- *Calibrating your precision tools*
- *Documenting your setup and calibration*

Expert EXT Series Calibration Equipment

EXTT SERIES



Stationary

- Power & Hand tools
- Low torque (<30 Nm) handheld tools
- Four torque range options
- Use with Rundown Adapter
- Use for Torque Setting & Calibration

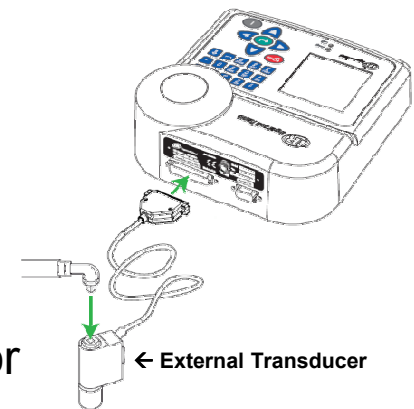


EXTA SERIES



Portable or Stationary

- Power & Hand tools
- High and Low Torque Tools
- Handheld and Fixtured Tools
- On actual joint or Joint simulator
- Torque Setting & Calibration




Expert EXT Series Calibration Equipment

EXTT SERIES



Stationary

EXTT SERIES — EXPERT TORQUE TESTERS				
				
Model	in-lb	Nm	Rundown Adapter	Rundown Adapter Service Kit
EXTT-1	0.88 – 8.8	0.1 – 1	ETT-RA-1	ETT-RA-1-KIT
EXTT-4	3.50 – 35	0.4 – 4	ETT-RA-4	ETT-RA-4-KIT
EXTT-12	10.6 – 106	1.2 – 12	ETT-RA-12	ETT-RA-12-KIT
EXTT-30	26.5 – 265	3.0 – 30	ETT-RA-30	ETT-RA-30-KIT

EXTA SERIES



Portable or Stationary

EXTA SERIES — EXPERT TORQUE ANALYZER				
Model	External Transducer	Data Transfer	Auto Recognition	LCD Screen
EXTA	Smart or Industry Standard (IS)	PC or Printer	Yes	62 x 62 mm

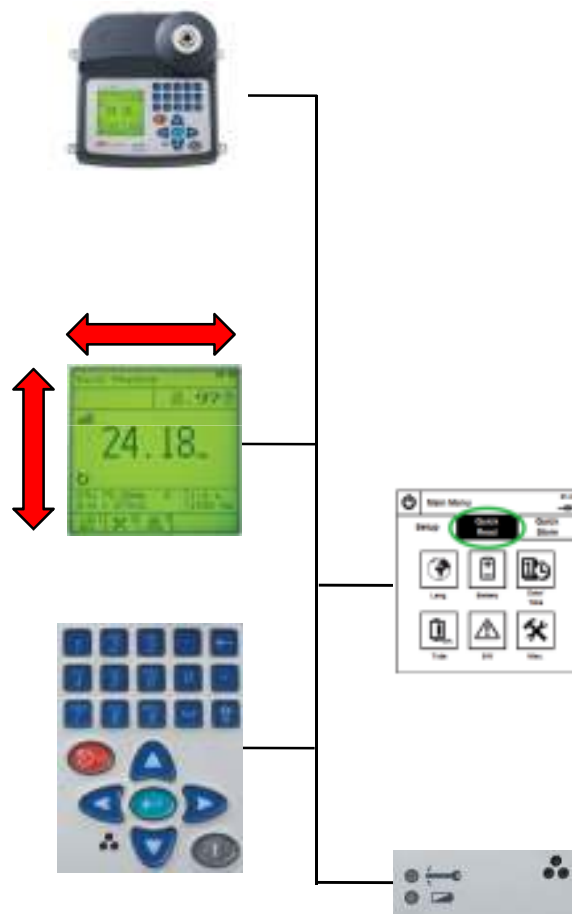
Expert EXT Series Calibration Equipment



SIMPLICITY

- Compatible with all your precision fastening tools
 - Air and Electric Screwdrivers & Nutrunners
 - Pulse tools
 - Hand click wrenches
- Same easy to use software and user interface
 - Large LCD Screen
 - Easy to navigate menus
 - Full alphanumeric keypad
 - Multicolor cycle status LED and buzzer
- Compatible with Industry Standard and Ingersoll Rand Smart Transducers

Expert EXT Series Calibration Equipment



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Transducers

Industry
Standard *

Smart Transducers **



Torque only

Torque and Angle

(in-lb) ft-lb

Nm

in

ROTARY

TR2H4	-	-	(1.0 - 18)	0.10 - 2	1/4
TR5H4	TRD5H4	TRDA5H4	(2.2 - 44)	0.25 - 5	1/4
TR20H4	TRD20H4	TRDA20H4	(9.0 - 180)	1 - 20	1/4
TR20S4	TRD20S4	TRDA20S4	(9.0 - 180)	1 - 20	1/4
TR75S6	TRD75S6	TRDA75S6	2.8 - 55	3.8 - 75	3/8
TR180S8	TRD180S8	TRDA180S8	6.7 - 133	9 - 180	1/2
TR250S12	-	-	9.2 - 185	12.5 - 250	3/4
TR500S12	TRD500S12	TRDA500S12	18.5 - 370	25 - 500	3/4



Use directly between the tool and the actual joint, or with a rotary joint simulator.



STATIONARY

TS30S4	TSD28S4	-	1.1 - 22	1.5 - 30	1/4
TS150S6	TSD135S6	-	5.5 - 110	7.5 - 150	3/8
TS300S8	TSD270S8	-	11 - 221	15 - 300	1/2
TS1000S12	TSD1000S12	-	37 - 738	50 - 1000	3/4



Use with a stationary joint simulator on a workbench.

Joint Simulators

Includes
Model Transducer Joint Simulator Bolt Service Kit

ft-lb

Nm

in

ROTARY

JKR20	No	JKS30-BKIT	0.75 - 15	1.0 - 20	1/4
JKR75	No	JKS150-BKIT	2.8 - 55	3.8 - 75	3/8
JKR180	No	JKS300-BKIT	6.7 - 133	9.0 - 180	1/2
JKR500	No	JKS1000-BKIT	18.5 - 370	25.0 - 500	3/4



Use with a rotary transducer on a workbench.

STATIONARY

JKS30	No	JKS30-BKIT	1.1 - 22	1.5 - 30	1/4
JKS150	No	JKS150-BKIT	5.5 - 110	7.5 - 150	3/8
JKS300	No	JKS300-BKIT	11.0 - 221	15.0 - 300	1/2
JKS1000	No	JKS1000-BKIT	37.0 - 738	50.0 - 1000	3/4
JKST30	TS30S4	JKS30-BKIT	1.1 - 22	1.5 - 30	1/4
JKST150	TS150S6	JKS150-BKIT	5.5 - 110	7.5 - 150	3/8
JKST300	TS300S8	JKS300-BKIT	11.0 - 221	15.0 - 300	1/2
JKST1000	TS1000S12	JKS1000-BKIT	37.0 - 738	50.0 - 1000	3/4



Use with a stationary transducer on a workbench.

(shown with transducer).



* Industry Standard (IS) transducers require transducer cable, ETA2-TC.

** Smart Transducers are sometimes referred to as UTA transducers.

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PERFORMANCE



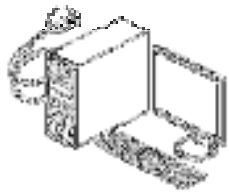
- Designed to satisfy your specific needs
 - Quick Start or Custom Setup
 - Portable (EXTA) or Stationary (EXTT)
 - Selectable modes, units, languages & more
- Automatically download data to PC or Printer
 - Qualify your tools for use
 - Analyze your results
 - Document for your quality assurance process





- ➔ Monitors torque, angle, time, and pulse count
- ➔ Reads in peak, click, pulse, or track mode
- ➔ Stores 200 time-stamped readings
- ➔ Auto-recognition of Smart transducers
- ➔ Seven units of measure
- ➔ Selectable filter frequencies
- ➔ DC tool calibration via ICS software
- ➔ Selectable power-save settings
- ➔ Selectable languages include English, French, German, Italian, and Spanish

Expert EXT Series Calibration Equipment



PERFORMANCE

- Designed to deliver based on your needs
 - Quick Start or Custom Setup
 - Portable (EXTA) or Stationary (EXTT)
 - Selectable modes, units, languages & more
- Automatically downloads data to PC or Printer
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Expert EXT Series Calibration Equipment

Features & Benefits

Power and hand tool compatibility

means only one system is needed to setup and calibrate all of your precision tools.

Durable, ESD-safe construction

holds up to factory environments.

Full statistical capabilities

include Cp, Cpk, Pp, Ppk, CMK, CAM, range, mean, and standard deviation.

Compact and lightweight

with rechargeable battery provides ease of use and portability on the assembly line and space savings on the workbench.

EXTT-30 shown with integrated transducer and rundown adapter.

Quick download of results to printer or PC for data analysis, graphing, and documentation or calibration of DC electric tools using ICS software.



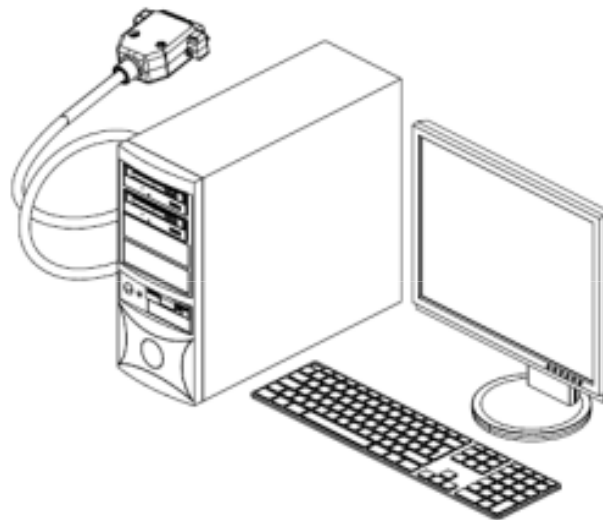
Soft-touch keypad makes menu navigation and test setup simple.

Audible and visible indicators give High, Low, and Pass cycle status.

Large LCD screen shows clear, easy-to-read test results and menus.

Expert EXT Series Calibration Equipment

Downloading Data

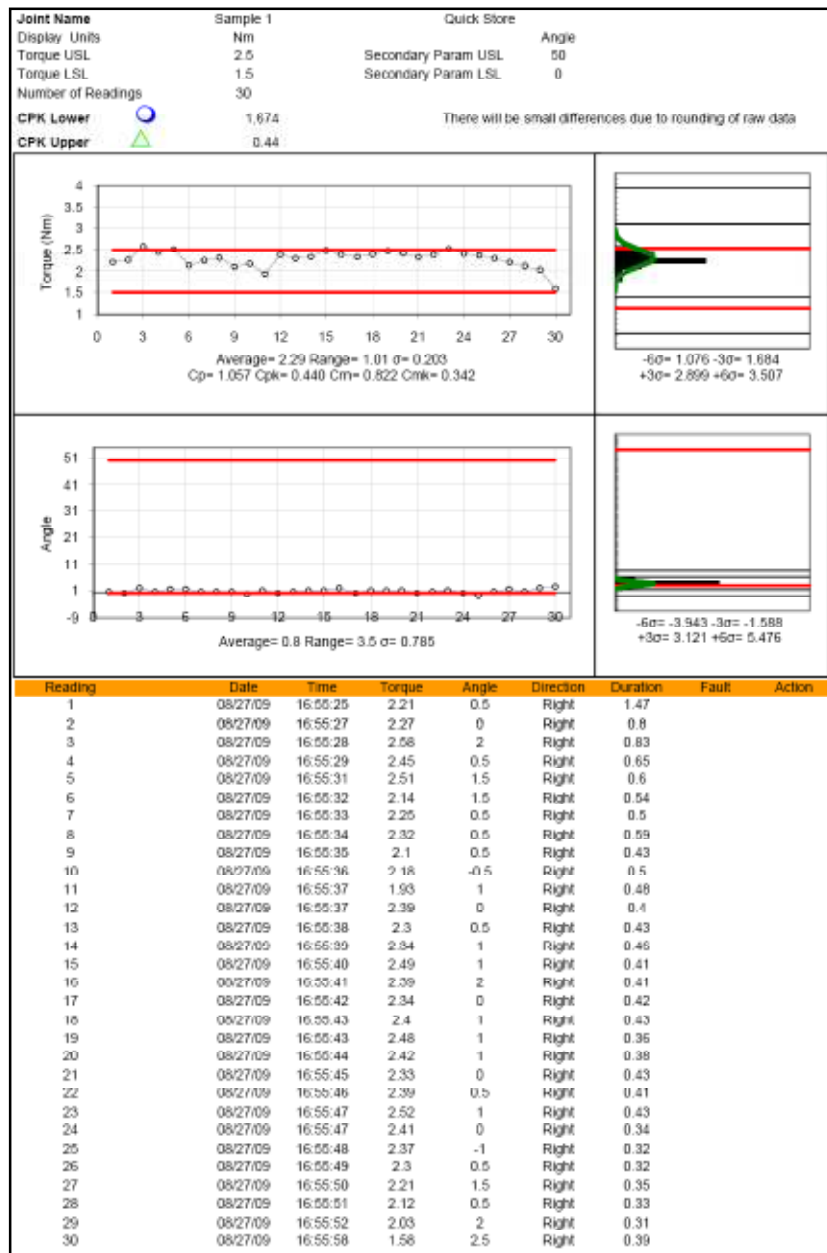


Quick download of results to printer or PC for data analysis , graphing, and documentation or calibration of DC electric tools using ICS software.



Quick Store export program

- Available for downloading from our website product page
- Automatically captures results
- Opens Excel and displays results, plots, and statistics



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