



Competition is driving product quality requirements to new levels. Meeting these demands requires keeping your processes in control and your tools working within specifications.

The solution:
Expert EXT Series calibration equipment

Our Expert EXT Series calibration equipment is the ideal quality-control companion for assembly operations with stringent torque control standards. Choose from our offering of easy-to-use torque testers, analyzers, transducers, and joint kits to set up and calibrate your full portfolio of precision tools.

EXTT Series torque testers

The EXTT Series torque testers comprises four models of torque testers with integrated transducers that allow rapid and accurate torque checking of lower torque fastening tools from 0.1 to 30 Nm (1 to 265 in-lb). The EXTT's enhanced features include track and peak modes for most hand and power tools, a pulse mode that measures and counts pulses of pulse tools, and a click mode for hand-click wrenches.

EXTA Series torque analyzer

The EXTA Series torque analyzer shares the same compact, sleek design but is designed for portability and use with a broad range of external transducers: whether torque only or torque and angle. It can dynamically measure and record the output of precision fastening tools on the application or the workbench in both directions when coupled with our automatically recognized Smart or Industry Standard transducers. Joint simulators are also available to emulate different joint rates from hard to soft and can be used with both stationary and rotary transducers when working away from the application.

Expert EXT Series — torque testers and analyzers

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.

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

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

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

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



Dimensions
209 x 194 x 78 mm
Weight
2.2 lb / 1.0 kg (EXTA)
4.5 lb / 2.1 kg (EXTT)

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

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

* EXTT tester includes rundown adapter, carrying case, battery charger, manuals, and a certificate of calibration. EXTA analyzer includes carrying case, battery charger, manuals, and neck strap.



Rotary transducers
Stationary transducer with joint simulator

Accessories

Transducers					
Industry Standard	Smart Transducers		(in-lb) ft-lb	Nm	in
	Torque only	Torque and Angle			
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 □
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

Joint Simulators					
Model	Includes 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
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

Manuals

Series	User Manual	Quick Start Guide	Safety
EXT Series	45652906	45655859	45654696

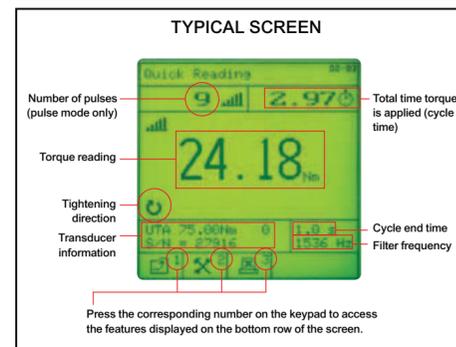
To find manuals on the Web: www.irtechpubs.com.

Literature

To order Ingersoll Rand literature please e-mail irlitorders@kencook.com.



Assembly tools IRPS-1007-052
Audit wrench ASM-1106-128
DC tools IRITS-0109-008
QA4/6/8 tools IRPS-1007-053
Fixture systems IRITS-1107-043
Pulse tools SW041107
Torque arms IRPS-0907-044
Cordless tools VSS-0806-060
Feed drill 52475-AT-C
Qi impacts IRITS-1008-118



TYPICAL SCREEN

Number of pulses (pulse mode only) 9
Torque reading 24.18 Nm
Tightening direction
Transducer information
Total time torque is applied (cycle time) 2.97
Cycle end time 1.02
Filter frequency 10.26 Hz

Press the corresponding number on the keypad to access the features displayed on the bottom row of the screen.

- ➔ 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

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