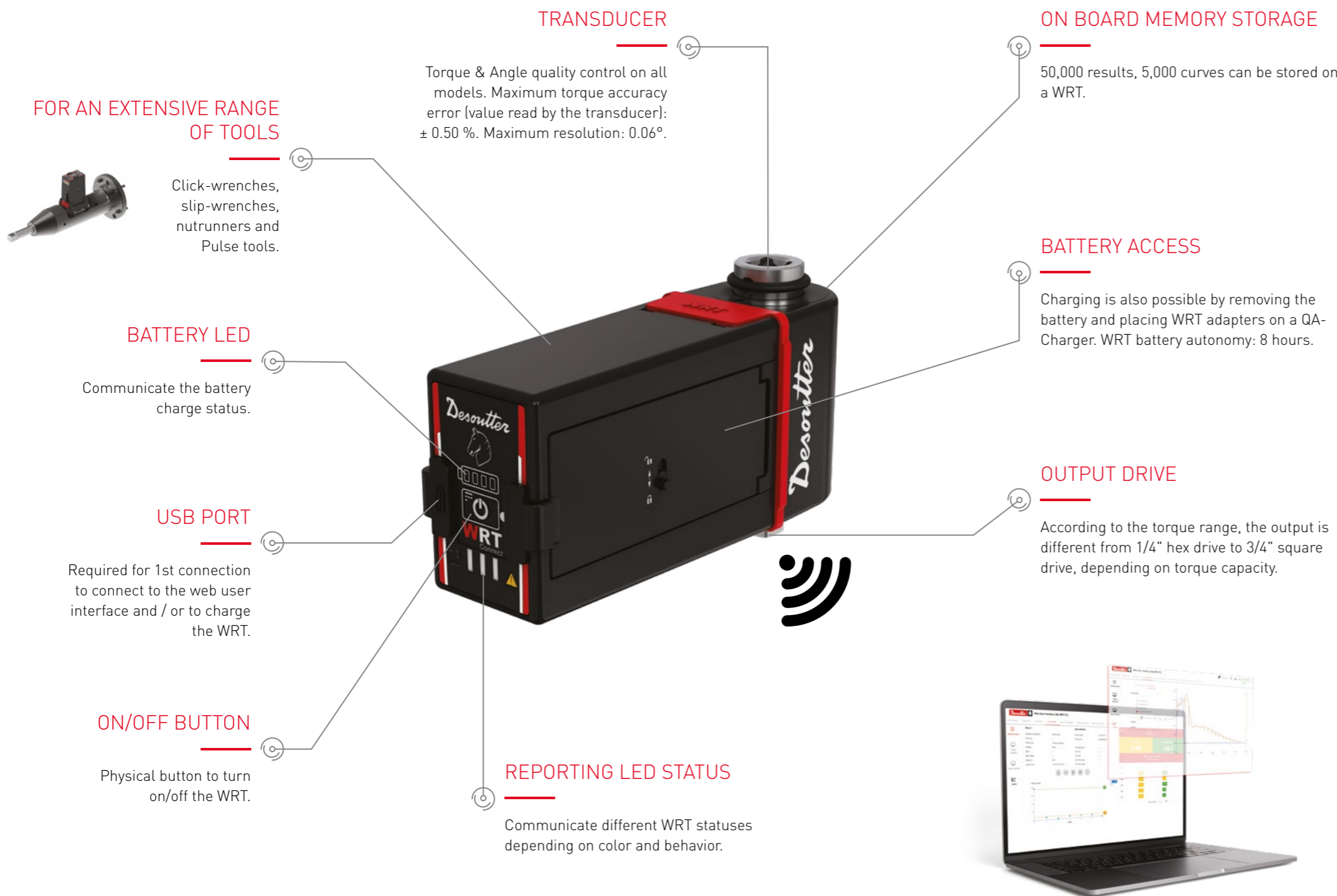# WRT - WIRELESS ROTARY TRANSDUCER

Make your tool verification & calibration simple

More Than Productivity

WRT
MAKE YOUR TOOL VERIFICATION & CALIBRATION SIMPLE

TRANSDUCER

Torque & Angle quality control on all models. Maximum torque accuracy error (value read by the transducer): ± 0.50 %. Maximum resolution: 0.06°.

FOR AN EXTENSIVE RANGE OF TOOLS

Click-wrenches, slip-wrenches, nutrunners and Pulse tools.

ON BOARD MEMORY STORAGE

50,000 results, 5,000 curves can be stored on a WRT.

BATTERY ACCESS

Charging is also possible by removing the battery and placing WRT adapters on a QA-Charger. WRT battery autonomy: 8 hours.

BATTERY LED

Communicate the battery charge status.

USB PORT

Required for 1st connection to connect to the web user interface and / or to charge the WRT.

OUTPUT DRIVE

According to the torque range, the output is different from 1/4" hex drive to 3/4" square drive, depending on torque capacity.

ON/OFF BUTTON

Physical button to turn on/off the WRT.

REPORTING LED STATUS

Communicate different WRT statuses depending on color and behavior.

BOOST YOUR PRODUCTIVITY

- INTUITIVE WEB USER INTERFACE: VIEW RESULTS, CURVES, DATA BASE AND ACCESS THE DATA DOWNLOAD FACILITY ALL FROM YOUR WEB BROWSER.
- NO SOFTWARE REQUIRED.
- HIGH TORQUE ACCURACY: +/- 0.5% OF THE READING & HIGH ANGLE RESOLUTION THANKS TO MAGNETIC RING TECHNOLOGY.
- PEACE OF MIND: MEMORY STORAGE OF ALL TORQUE & ANGLE DATA WITH CURVES (50,000 RESULTS AND 5,000 CURVES).
- INCREASED DURABILITY: NEW DESIGN USES OPTICAL TRANSMISSION OF ALL DATA (BRUSHLESS SYSTEM), ESPECIALLY FOR USE WITH PULSE TOOLS.

BOOST YOUR FLEXIBILITY

- FREEDOM TO USE ON THE LINE OR IN A STATION, NO CABLE & ANALYZER REQUIRED. VIEW THE RESULTS ON THE DEVICE OF YOUR CHOICE (COMPUTER, TABLET OR SMARTPHONE).
- FAST & FLEXIBLE CONNECTION: CHOOSE BETWEEN THE BUILT-IN ACCESS POINT, CONNECT TO A LOCAL AREA NETWORK OR VIA USB.

BOOST YOUR UPTIME

- QUICK TOOL VERIFICATION, ESPECIALLY IN HARD TO- REACH APPLICATIONS AS THERE IS NO CABLE TO MANAGE.
- PERFECT FOR AUDITING AT THE START OF THE SHIFT WITH 8 HOURS BATTERY AUTONOMY.

WRT RANGE

The WRT is a means of **auditing not only the tools** (click-wrenches, slip-wrenches, nutrunners or Pulse tools*) but also **the assembly process**, providing a detailed analysis of torque and angle information.

With the WRT you can:

- Manual & Automatic Calibration (Automatic Adjustment) with CONNECT Smart hub
- SPC (Statistical Process Control)
- CM / CMK
- Demo mode

PIC	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE				WEIGHT	
				MIN.	MAX.*	MIN.	MAX.*		
			in.	Nm	Nm	ft.lb	ft.lb	gr	lb
A	WRT4-HEX1/4	615 221 051 0	1/4	0.4	4	0.36	3.6	483.5	1.065
A	WRT10-HEX1/4	615 221 052 0	1/4	1	10	0.88	8.8	484.7	1.068
A	WRT20-HEX1/4	615 221 053 0	1/4	2	20	1.47	14.7	463.2	1.02
B	WRT25-SQ3/8	615 221 054 0	3/8	2.5	25	1.84	18.4	486.4	1.07
B	WRT75-SQ3/8	615 221 055 0	3/8	7.5	75	5.53	55.3	491.4	1.08
C	WRT180-SQ1/2	615 221 056 0	1/2	18	180	13.27	132.7	599.7	1.32
D	WRT500-SQ3/4	615 221 057 0	3/4	50	500	36.87	368.7	1094	2.41

With Pulse tools, the WRT shall not be used over 50% of the maximum torque.

DIMENSIONS

MODEL	A	B	C	D	E	F	G	H
	mm	mm	mm	mm	mm	mm	mm	mm
WRT4-HEX1/4	115.8	45	138.3	33.8	61.5	20.5	25.5	20
WRT10-HEX1/4	115.8	45	138.3	33.8	61.5	20.5	25.5	20
WRT20-HEX1/4	115.8	45	138.3	33.8	61.5	20.5	25.5	20
WRT25-SQ3/8	82.6	45	138.3	12.1	61.5	9	11	20
WRT75-SQ3/8	82.6	45	138.3	12.1	61.5	9	11	20
WRT180-SQ1/2	90.5	45	141.8	17	61.5	12	15.2	22.5
WRT500-SQ3/4	106	56	151.9	24.6	68	13.4	23	28
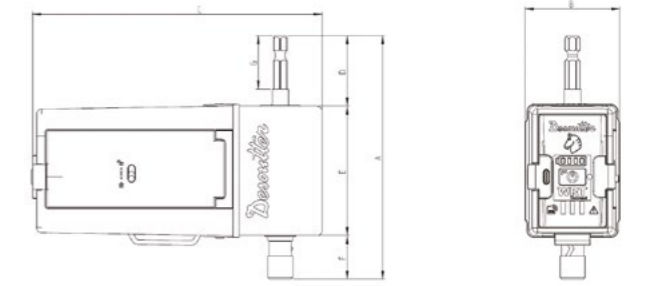
WRT4-Hex1/4, WRT10-Hex1/4, WRT20-Hex1/4
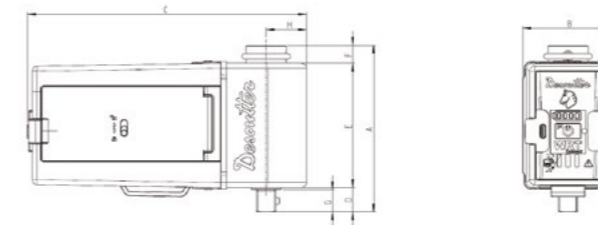
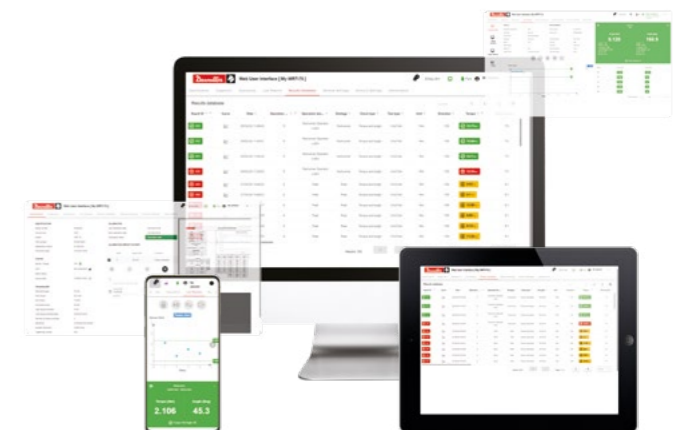*WRT25-Sq3/8, WRT75-Sq3/8, WRT180-Sq1/2*
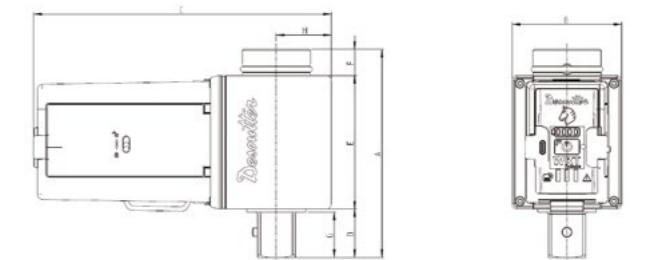
WRT500-Sq3/4

INTUITIVE WEB USER INTERFACE

▶ View the results with the device of your choice: computer, tablet or smartphone !

▶ The web user interface gives access to the result data base, curves, live results and the data download facility.

WRT offers three different ways to access its web user interface:

○ EMBEDDED ACCESS POINT (DHCP) / WEB: WRT hosts an embedded access point. You can update network settings directly through the intuitive Web User Interface and choose between static and DHCP methods for IP address allocation. It's ideal for scenarios where simplicity and self-contained connectivity are paramount.

○ INFRASTRUCTURE MODE: In this mode, WRT seamlessly integrates into your existing factory network. It's perfect for environments where additional Wi-Fi networks are undesirable or impractical.

○ BY CABLE: Use the cable for your first connection - it's a one-time requirement - then this old-school approach is also possible from this point forward..

ACCESSORIES

ACCESSORIES INCLUDED

ITEM		REFERENCES
3	WRT Battery	615 936 531 0

OPTIONAL ACCESSORIES

ITEM		REFERENCES
1	WRT 2x Adapters	615 936 534 0
2	QA Charger	615 936 461 0
3	WRT Battery	615 936 531 0
4	WRT anti-rotation holder[1]	615 936 535 0
5	CVI KEY[2]	615 927 676 0

[1] For angle tools with compatible sizes (tool diameter less than 43 mm, such as EABC 32-410, EABC 50-450, EABC 60-370, EABC 17-800-4Q, EABC 24-500-4Q, ELS330-300-A, etc.).

[2] The WRT Web User Interface uses a role-based authorization system. User permissions depend on the role assigned to the user with the CVI KEY. Without it, you will only have access to "Demo mode". To create an operation (tool & Pset), you need to enter your CVI KEY.

ACCREDITED **CALIBRATION**

SAFETY & TRACEABILITY OF YOUR TIGHTENING PROCESS

- Recognised accreditation through the ILAC* agreement
- According to ISO/IEC 17025 specified measurement uncertainty
- Adjustment of the equipment
- Certificates available 24/7 for up to 10 years
- Reminder of next calibration

* ILAC (International Laboratory Accreditation Cooperation): an agreement signed by almost all industrialized countries. Certificates from accredited laboratories of the member states are recognized by other ILAC member countries.

NOTES

More Than Productivity