DDK

DAIICHI-DENTSU LTD.
Providing the most suitable solutions

Discover simplicity

Easy Touch
& Transducer

Take it Easy,
Take EasyTouch

Transducers
Static and rotary

Torque and Torque & Angle rotary transducers

Can be connected to EasyTouch to calibrate all types of power tools. Available with internal memory for automatical recognition when connected to or EasyTouch.

RMCTA Torque & Angle rotary transducer

RMC Torque rotary transducer

Freedom RMCTA	Capacity Nm	ft lb	Drive Inch
Freedom RMCTA 2 HEX	2	1	HEX 1/4″
Freedom RMCTA 5 HEX	5	4	HEX 1/4″
Freedom RMCTA 10	10	7	1/4″
Freedom RMCTA 20 HEX	20	15	HEX 1/4″
Freedom RMCTA 20	20	15	1/4″
Freedom RMCTA 25	25	19	3/8″
Freedom RMCTA 75	75	56	3/8″
Freedom RMCTA 180	180	133	1/2″
Freedom RMCTA 250	250	185	3/4″
Freedom RMCTA 500	500	370	3/4″
Freedom RMCTA 1400	1400	1036	1″
Freedom RMCTA 3000	3000	2220	1 1/2″
Freedom RMCTA 5000	5000	3700	1 1/2″

Freedom RMC	Capacity Nm	ft lb	Drive Inch
Freedom RMC 2 HEX	2	1	HEX 1/4″
Freedom RMC 5 HEX	5	4	HEX 1/4″
Freedom RMC 10	10	7	1/4″
Freedom RMC 20 HEX	20	15	HEX 1/4″
Freedom RMC 20	20	15	1/4″
Freedom RMC 25	25	19	3/8″
Freedom RMC 75	75	56	3/8″
Freedom RMC 180	180	133	1/2″
Freedom RMC 250	250	185	3/4″
Freedom RMC 500	500	370	3/4″
Freedom RMC 1400	1400	1036	1″
Freedom RMC 3000	3000	2220	1 1/2″
Freedom RMC 5000	5000	3700	1 1/2″

Wireless rotary transducers

Can be connected to EasyTouch or to a standard laptop via radio, allow to calibrate all types of power tools.
Now available with Bluetooth communication.
WiFi 2,4 and 5 GHz.

RMCTA Torque&Angle rotary transducer
Bluetooth datatrasmission

RMC Torque rotary transducer
Bluetooth data transmission

Freedom RMCTA BT	Capacity Nm	ft lb	Drive Inch
Freedom RMCTA 2 BT HEX	2	1	HEX 1/4″
Freedom RMCTA 5 BT HEX	5	4	HEX 1/4″
Freedom RMCTA 10 BT	10	7	1/4″
Freedom RMCTA 20 BT HEX	20	15	HEX 1/4″
Freedom RMCTA 20 BT	20	15	1/4″
Freedom RMCTA 25 BT	25	19	3/8″
Freedom RMCTA 75 BT	75	56	3/8″
Freedom RMCTA 180 BT	180	133	1/2″
Freedom RMCTA 250 BT	250	185	3/4″
Freedom RMCTA 500 BT	500	370	3/4″
Freedom RMCTA 1400 BT	1400	1036	1″
Freedom RMCTA 3000 BT	3000	2220	1 1/2″
Freedom RMCTA 5000 BT	5000	3700	1 1/2″

Freedom RMC BT	Capacity Nm	ft lb	Drive Inch
Freedom RMC 2 BT HEX	2	1	HEX 1/4″
Freedom RMC 5 BT HEX	5	4	HEX 1/4″
Freedom RMC 10 BT	10	7	1/4″
Freedom RMC 20 BT HEX	20	15	HEX 1/4″
Freedom RMC 20 BT	20	15	1/4″
Freedom RMC 25 BT	25	19	3/8″
Freedom RMC 75 BT	75	56	3/8″
Freedom RMC 180 BT	180	133	1/2″
Freedom RMC 250 BT	250	185	3/4″
Freedom RMC 500 BT	500	370	3/4″
Freedom RMC 1400 BT	1400	1036	1″
Freedom RMC 3000 BT	3000	2220	1 1/2″
Freedom RMC 5000 BT	5000	3700	1 1/2″

Technical specification

Features	Options
Performance: 1 GB internal memory, 20.000 data results - 20.000 curves - 1.000 programs **Display:** 2,3" Touch screen, resolution: 320x240 pixels, 65.535 colors **Power Supply:** Internal rechargeable battery: 3,6V – 2.700 mAh; battery life 9 hours	F3 Explorer software (USB cable included) Firmware Upgrade for displaying curves and statistical charts Bluetooth module for printing and wireless transducer connection

|		
	FREEDOM RMC/RMCTA	Torque rotary transducer (RMC) and torque-angle rotary transducer (RMCTA), to test click and dial wrenches; pulse tool (with and without shut-off); 1 and multistep power tool directly on the joint.
	FREEDOM RMC/RMCTA with Bluetooth	Torque rotary transducer (RMC) and torque-angle rotary transducer (RMCTA), to test click and dial wrenches; pulse tool (with and without shut-off); 1 and multistep power tool directly on the joint. Available with Bluetooth.

Providing the most suitable solutions
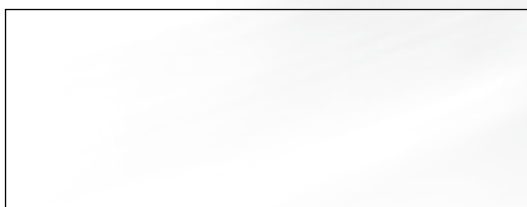
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Providing the most suitable solutions

Discover Simplicity

SCS easy

Thanks to the user friendly software
and integrated gyroscope, you can
easily and accurately check the
tightening of your fasteners.
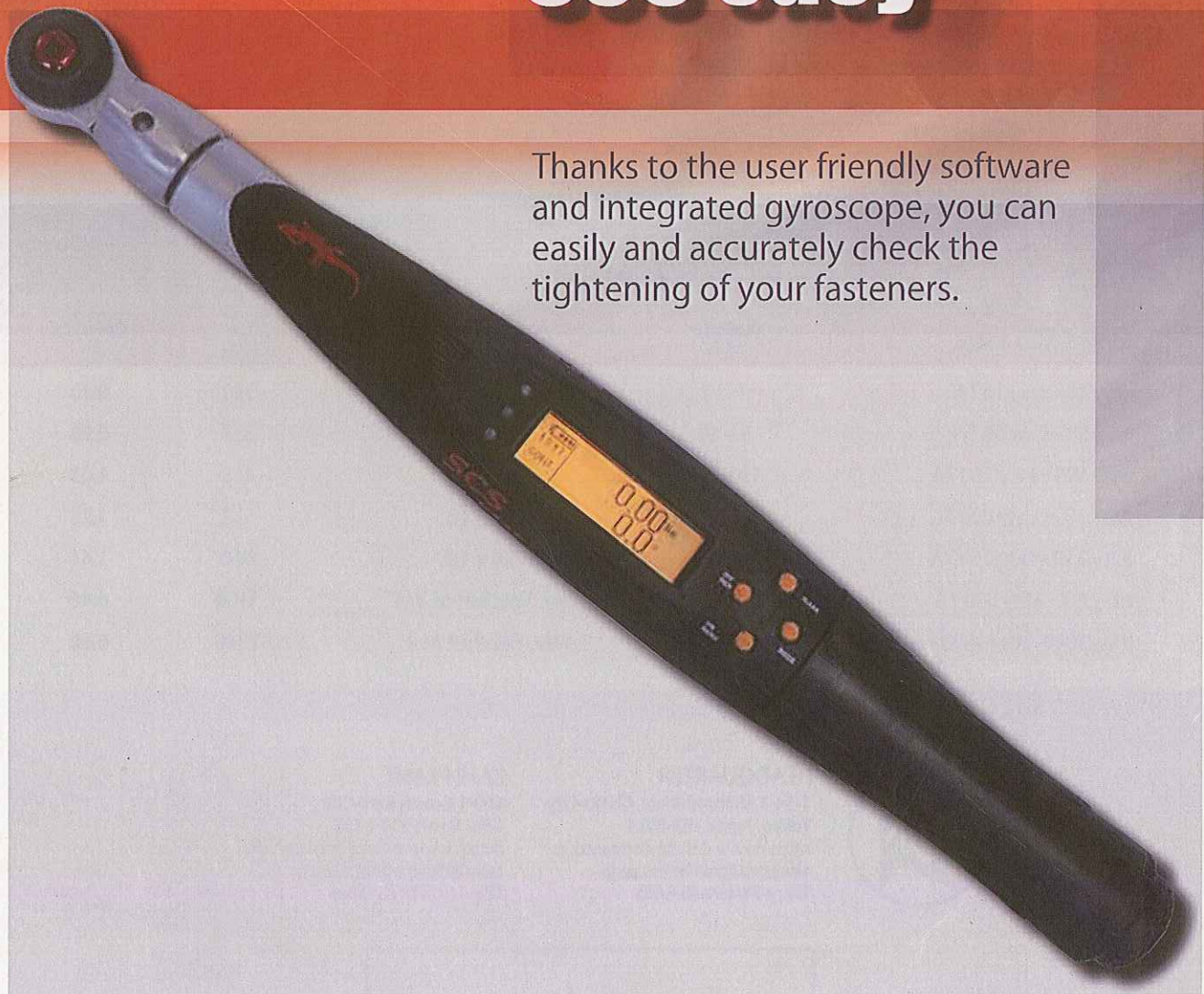
Technical specification

Characteristics:
Measurement of torque and angle in either continuous or peak modes
Breakaway Torque
CW & CCW reading
Torque tightening or Torque+Angle tightening with torque window
Selectable units of measurement Nm, lb\in, lb\ft, Kgm
Standard drives for tool attachments 9x12 or 14x18
Accuracy:
Torque ±1% of the reading from 10% to 100% of the full scale (± 1 digit)
Angle: ±1°
Conforms to UNI-EN-ISO 6789-2004 international standards
Memory:
Internal memory of 900 results
Display:
132x32 pixel backlighted

Power supply:
4xAA standard rechargeable batteries for 40 hours continuous operation without backlighting

Functions:
Calendar\clock
Auto power off
Three alarm LED: red, yellow and green + buzzer
RS232 communication to your PC

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L1
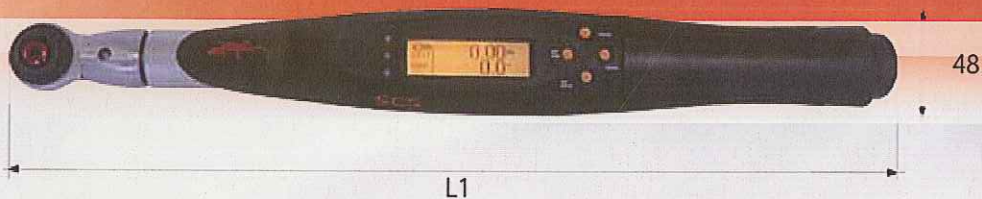
| Model SCS easy	Range Nm	Drive mm	L1 mm	Weight Kg
easy 10 - easy 10 TA	1 - 10	Rev. Ratchet M 1/4"	240	0,40
easy 50 - easy 50 TA	5 - 50	9 x 12	357	0,90
easy 100 - easy 100 TA	10 - 100	9 x 12	418	1,04
easy 200 - easy 200 TA	20 - 200	14 x 18	512	1,25
easy 350 - easy 350 TA	35 - 350	14 x 18	610	1,44
easy 800 - easy 800 TA	80 - 800	Rev. Ratchet M 3/4"	1100	4,40
easy 1000 - easy 1000 TA	100 - 1000	Rev. Ratchet M 1"	1340	6,60

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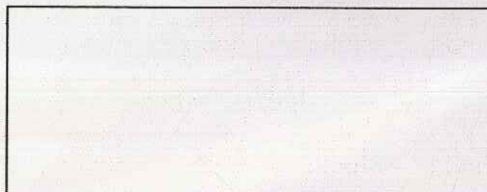
Freedom³- LAB mode

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Freedom³ LAB is a torque & angle wrench designed to be programmed locally by Touch-screen and keyboard. For every Quality Control test, or for every tightening program, Freedom³ LAB saves test results and curves.
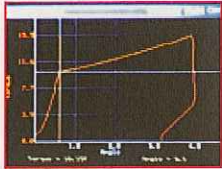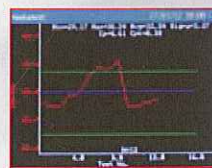
Quality Control
- Smart Breakaway
- Breakaway Peak
- Breakaway Angle
- Open\Close
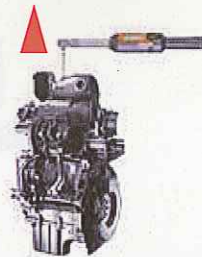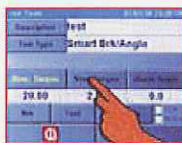- Minimum Torque
- Loose Torque

Tightening Strategies
- Fasten Torque Driven
- Fasten Torque\Angle
- Fasten Yield
- Fasten Yield\Angle
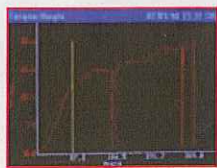
Joint analysis
- Allows to analyze the behaviour of the joint, in order to find the best tightening strategy

Curves and Statistic
- Torque\Time curve
- Torque\Angle curve
- Curves analysis directly on th wrench
- Zoom function directly on the wrench
- Sample charts

Freedom³

Programming on board
In the LAB version, Freedom³ is programmed directly on board from the user. It is not necessary to connect the wrench to the pc.

Quality tests or tightening strategies
Once Freedom³ is programmed, the user can start to run the tests. Thanks to the LEDS and vibration functionality, the user is advised when the target is reached.

Download data to Freedom³ Explorer software
Freedom³ LAB can store 20000 results, 20000 curves, 10000 programs. F³ Explorer allows to collect data and curves from SCS instruments, export to Excel, shows multi-curves and graphics.

Options and accessories

| Quick interchangeable battery | Rubber protection | LED Indicator | USB port | External battery charger (single/double) | Freedom³ Explorer software | Buzzer and vibration alarm |

Freedom³- SPC mode

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The Freedom³ SPC is a torque & angle wrench designed to work receiving routes (list of Quality Control and main tightening programs) from management software (SQnet+ /QSTorque)
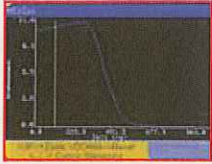
Curve and Statistic on Freedom ³
- Torque\Time curve
- Torque\Angle curve
- Curves analysis directly on the wrench
- Zoom function directly on the wrench
- Sample Charts
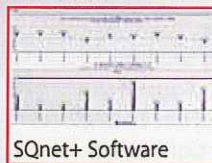- Statistical evaluation management of XR Charts and trend control

Quality Control
- Smart Breakaway
- Breakaway Peak
- Breakaway Angle
- Open\Close
- Minimum Torque
- Error codes

Pictures and info
- Freedom³ can show the pictures of the bolts where the user has to tighten or taken control test
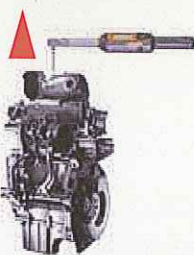

SQnet+ Software

SQnet Software
- SQnet+ is a software for programming Freedom³ SPC.
- SQnet+ manages tools, locations, operations and quality control
- Interface with QSTorque and other management software available

Programming by SQnet+
With SQnet+ it is possible to send routes of programs or jobs. Once Freedom is uploaded, the wrench is ready to work.

Working with Freedom ³
User can select the test to run or he must follow a precise sequence. After every single test, Freedom³ shows their status (green points for OK test, red points for not OK test)

Download data to SQnet+
When the route test is completed, the user can download data to SQnet+ by USB port (it is possible to download data to SQnet+ also if the route is not completed).
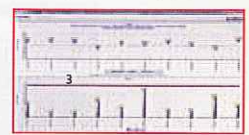
SQnet+ Software
SQnet+ manages tools, operations locations and quality control of production lines. On SQnet+ it is possible to analyze statistic and curves received from Freedom SPC

Barcode scanner

Rubber protection

LED Indicator

USB port

External battery charger (single/ double)

SQnet Software

Upload \ Download route data via Wi-Fi