



**For quality control
of tightening processes.**

- **Torque and torque/angle reader**
- **Torque and torque/angle dynamic rotary transducers**

Fiam®
PEOPLE AND SOLUTIONS

Easy Touch

Torque and torque/angle reader

Easy Touch is a reader capable of analyzing the characteristics of pneumatic and electric screwdrivers, as well as torque wrenches directly on the production lines with “*in process*” mode, i.e. **during** the tightening process matching the appropriate dynamic rotary transducer.

With the “*in process*” mode, it is possible to verify with more precision and reliability the assembly quality as:

- *it is independent of the operator (the torque transducer is interposed between the screwdriver and the joint and the operator acts only on the screwdriver);*
- *the influence of joint relaxation does not exist, since the torque measured is exactly the one applied by the screwdriver.*



All advantages:

- With its 2.8" color display, the **TOUCH SCREEN** interface shows, all measurement values as well as allows display of torque and angle curves
- Automatic recognition of paired SCS transducers
- Reading method: Peak, Trace
- Impulsive reading filter
- Memory with 20,000 results, 20,000 tracks, 1,000 settable programs
- Available strategies: Torque Control, Torque Control and Angle Monitoring, Angle Control and Torque Monitoring
- Quick and easy programming
- 5 languages can be set: IT - FR - EN - DE - PT
- USB cable for data and torque curves download
- Compatible for reading all analog transducers (mV / V)
- Internal rechargeable battery with 9 hours autonomy
- Equipped with comfortable carrying belt



RMC

Dynamic rotary transducers

To be used with Easy Touch reader, they must be placed between the screwdriver and the joint to perform highly accurate *"in process"* measurements.

The measurements taken are independent of the operator and there is no influence of joint relaxation, since the torque measured is exactly that applied by the screwdriver.

Can be used with any type of screwdriver, even with hydraulic air pulse wrenches. Mechanical air impact wrenches are excluded.

- RMC models: to obtain torque measurements
- RMCTA models: to obtain torque/angle measurements.



All advantages:

- They can be used with any type of screwdriver, even with hydraulic air pulse wrenches
- Equipped with internal memory for automatic recognition when connected to Easy Touch
- Connectable to the reader via cable (to be ordered separately)
- Supplied complete with Accredia calibration certificate (clockwise).
Counterclockwise calibration and angle calibration are available upon request.

Easy Touch reader

| Code | Model |
|-----------|---|
| 686000542 | Easy Touch torque and torque/angle reader |

Standard equipment:

- Use and maintenance manual
- 3.6V lithium-ion rechargeable battery
- Carrying belt for transport
- USB cable for data download (L = mt. 2)

Torque dynamic rotary transducer

| Code | Model | Torque capacity (Nm) (in lb) | | Drive | Exit |
|-----------|-----------------------------------|---------------------------------|---------|---------|---------|
| 686000518 | RMC 2 Dynamic rotary transducer | 2 | 17,70 | ○ M1/4" | ○ F1/4" |
| 686000519 | RMC 5 Dynamic rotary transducer | 5 | 44,25 | ○ M1/4" | ○ F1/4" |
| 686000520 | RMC 10 Dynamic rotary transducer | 10 | 88,50 | ○ M1/4" | ○ F1/4" |
| 686000522 | RMC 20 Dynamic rotary transducer | 20 | 177,00 | ○ M1/4" | ○ F1/4" |
| 686000523 | RMC 25 Dynamic rotary transducer | 25 | 221,25 | □ F3/8" | □ M3/8" |
| 686000524 | RMC 75 Dynamic rotary transducer | 75 | 663,75 | □ F3/8" | □ M3/8" |
| 686000525 | RMC 180 Dynamic rotary transducer | 180 | 1593,00 | □ F1/2" | □ M1/2" |
| 686000526 | RMC 250 Dynamic rotary transducer | 250 | 2212,50 | □ F3/4" | □ M3/4" |
| 686000527 | RMC 500 Dynamic rotary transducer | 500 | 4425,00 | □ F3/4" | □ M3/4" |

Torque/angle dynamic rotary transducers

| | | | | | |
|-----------|-------------------------------------|-----|---------|---------|---------|
| 686000528 | RMCTA 2 Dynamic rotary transducer | 2 | 17,70 | ○ M1/4" | ○ F1/4" |
| 686000529 | RMCTA 5 Dynamic rotary transducer | 5 | 44,25 | ○ M1/4" | ○ F1/4" |
| 686000530 | RMCTA 10 Dynamic rotary transducer | 10 | 88,50 | ○ M1/4" | ○ F1/4" |
| 686000532 | RMCTA 20 Dynamic rotary transducer | 20 | 177,00 | ○ M1/4" | ○ F1/4" |
| 686000533 | RMCTA 25 Dynamic rotary transducer | 25 | 221,25 | □ F3/8" | □ M3/8" |
| 686000534 | RMCTA 75 Dynamic rotary transducer | 75 | 663,75 | □ F3/8" | □ M3/8" |
| 686000535 | RMCTA 180 Dynamic rotary transducer | 180 | 1593,00 | □ F1/2" | □ M1/2" |
| 686000536 | RMCTA 250 Dynamic rotary transducer | 250 | 2212,50 | □ F3/4" | □ M3/4" |
| 686000537 | RMCTA 500 Dynamic rotary transducer | 500 | 4425,00 | □ F3/4" | □ M3/4" |

Torque measurement accuracy: +/- 0.5% of detected value

Torque range: 10% - 100%

Angle measurement accuracy: +/- 1° over 360°

Standard equipment:

- Use and maintenance manual
- Accredia calibration certificate (clockwise)

Cables

| Code | Model | Length mt |
|-----------|---|-----------|
| 686000538 | RMC 1.5 Cable for dynamic rotary Transducer | 1,5 |
| 686000539 | RMC 3 Cable for dynamic rotary Transducer | 3 |
| 686000540 | RMCTA 1.5 Cable for dynamic rotary Transducer | 1,5 |
| 686000541 | RMCTA 3 Cable for dynamic rotary Transducer | 3 |

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