



TORQUE TURN SYSTEM



TTMC PRO® TORQUE/TURN SYSTEM

Monitors, controls, and analyzes torque, turns, and speed during tubular running services in real time.

Applications

- Torque monitoring, control, and analysis of makeup or breakout for casing and tubing connections in the field.

Features

- Wide-temperature 12.1" TFT LCD industrial display with tempered glass protection.
- Dual-channel acquisition signal configuration: one for use and one for backup.
- Stainless steel all-in-one machine with dual-core CPU, 4 GB memory, Windows 7 operating system, and solid-state wide-temperature hard drive.
- Host power supply: 86-264 VAC, 50/60 Hz, meeting the power requirements of different countries.

Benefits

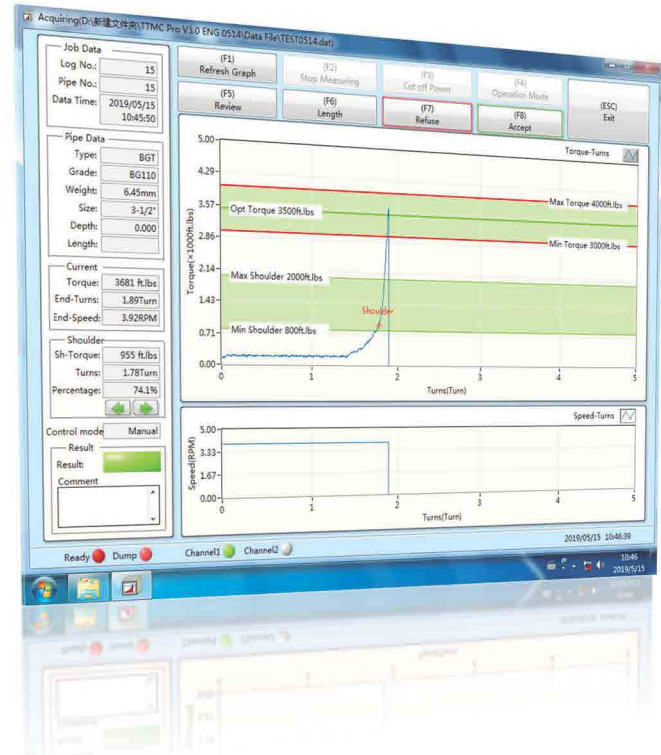
- Compact structure, lightweight, easy to operate, and simple to install in the field.
- Real-time, high-quality data acquisition and on-site requirements control ensure reliable performance.
- Operates on 24 VDC; military-grade wide-temperature components allow normal operation under various climatic conditions.
- Five measurement and control methods available to meet different operational needs.
- Real-time curve recording: time or lap coordinate values are automatically added when the curve exceeds the set abscissa value.
- Graphic parameter settings with error-correction prompts. Software interface available in both Chinese and English.
- Job report editing function with complete data and graphical reports.





Provides Five Real-Time Measurement Methods:

- 1.- Torque-Time
- 2.- Torque-Turns
- 3.- Torque-Time-Turns
- 4.- Torque-Turns-Speed
- 5.- Torque-Turns-ROC



CONNECTION DIAGRAM OF EXTERNAL DIGITAL DISPLAY BOX:

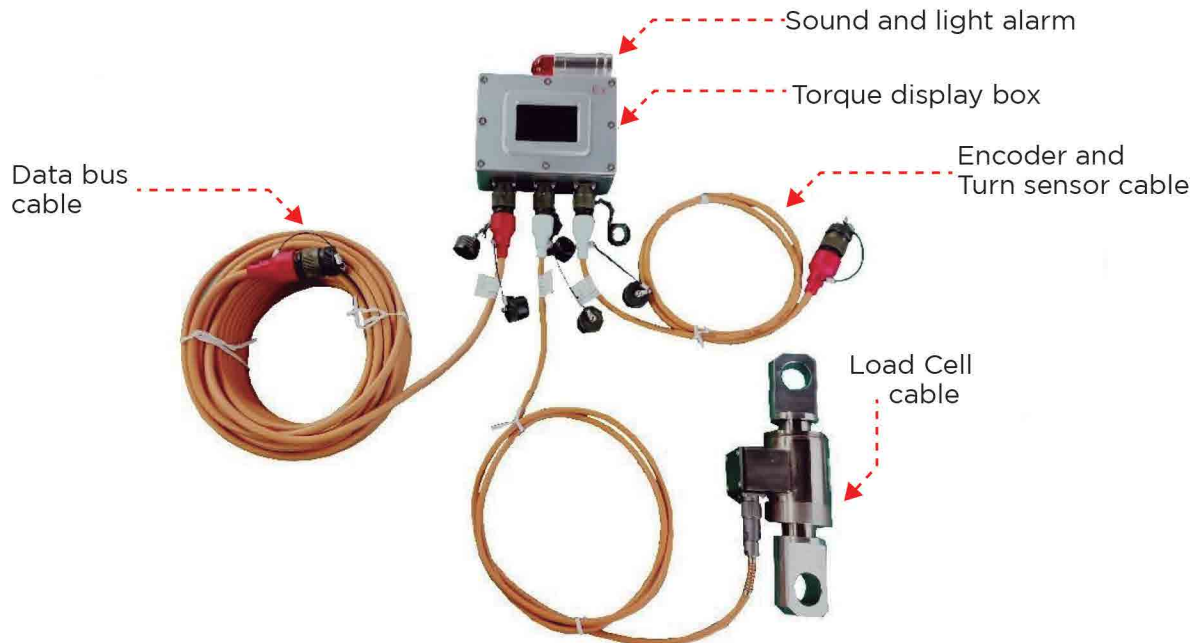




FIGURE 1 - TTMC PRO COMPONENT IDENTIFICATION

NUMBER	DESCRIPTION	QUANTITY	REMARKS
1	TTMC PRO Host	1	
2	Industrial Keyboard	1	Standard configuration
3	External Digital Display Box (3 Sockets)	1	Standard configuration
	External Digital Display Box (4 Sockets, With DUMP Jack)	1	Optional
4	Torque Transmitter (Disc type)	1	Optional
5	Torque Transmitter (Tension type)	1	Optional
6	Circle Number Sensor With Indicator Light	1	Optional
7	Encoding Circle Number Sensor	1	Optional
8	Signal Bus	1	
9	Power Control Line	1	
10	Torque Signal Line	1	
11	Loop Signal Line	1	
12	Power Cord	1	
13	Unloading Valve	1	