

ELECTRONIC RECORDER Mod. TER 301.01 and 302.01

The electronic recorder instrument has been designed for work in connection to the T.E.M.A.'s hydraulic Puller and Tensioner/Puller, on purpose arranged.



The TER... recorder has been explicitly studied to record the data during the cable stringing/laying operations, it can measure the:

- Pulling effort values
- Stringing/laying speed
- Length of laid cables
- Environmental temperature
- Date and time

It's available in two versions, for a single hydraulic circuit plant of machine (Mod. 301.01) and for a double hydraulic circuits plant of machine (Mod. 302.01) admitting in this version too, for to add the pulling values when the machine it's arranged for to match/coupling the hydraulic circuits/drums.



The TFT display equipping the instrument available for insert the :

- A) Specific data admitting to coordinate the instrument for to dialog with the chosen/connected Machine, the instrument it's available to connect to every of pre-arranged machines
- B) The specific wanted working coordinates, that will be established like:
 - Company name
 - Place of work
 - Type of cable in stringing/laying
 - Operator's name

And working values like: (measured and showed during work)

- Pulling effort value
- Stringing/laying speed
- Cable laid length

The stringing/laying operation data are surveyed from the instrument up to 150.000 acquisition input (divisible by two when the instrument it's the TER 302.01) and they must be down loaded by USB key to any PC with a common software " text file " program, in order to create a relative printing/graphic data sheet in different languages like: English, French, German, Spanish, Portuguese (further on request)

An automatic (no-reset) date – clock device is arranged, and feed bay internal battery

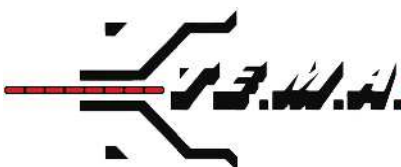
OPERATIVENESS

After insert the data as above in " B ", the system measure and show it continuously on display, while stringing/laying the cable, a start and stop by push-button it's provided.

When eventually a pre-settled pulling effort value and/or speed, will be achieved (over-load) an automatic switch-off, stop a stringing/laying operations. A reset procedure when happen the over-load condition, will admit to restart for continue the stringing/laying operations

CHARACTERISTICS AND FEATURES

- TFT touch screen display
- USB key one GB memory capacity (one GB correspond to 150.000 acquisition input/400 Km laying approx)
- Connection cables 4 m length with plug
- Aluminium foldable instrument support desk
- Date and clock feed by internal battery automatically rechargeable
- Operating field -10C° up to 50C°
- Dimensions: 33 x 29 x 26 Cm
- Weight : 7 Kg.



MACHINES GENERAL OPTIONAL LIST (on demand)**PULLER / WINCH Code 106/...- 103/... - 107/... - 109/...**

- 01 PW) - Pre-arrangement (PR/TER 301.01) for electronic recorder simple circuit coupling (TER 301.01)
- 02 PW) - Pre-arrangement (PR/TER 302.01) for electronic recorder double circuit coupling (TER 302.01)
- 03 PW) - Remote control panel (RCW 000...) by " wire version " and shoulder strap console
- 04 PW) - Remote control panel (RCR 000...) by " Radio control wireless version " and shoulder strap console
- 05 PW) - Pulling rope locking clamp hydraulically controlled
- 06 PW) - Roller guiding device for " Underground laying " lowering to ground level a line pulling rope
- 07 PW) - Quick coupling pack feeding from reel-winder hydraulic plant, suitable to feed reel-stand with driven head equipped, like :
(CT0407-V0001+CT040T17-S0001)
- 08 PW) - Overrun braking plant trailer for towing on road up to 80 km/h
- 09 PW) - Hydro-pneumatic braking plant at wheels on rigid axle
- 10 PW) - Rear lights bar " CE standard "
- 11 PW) - Hydro-pneumatic braking plant/trailer with lights for towing on road up to 80 km/h " CE standard "
- 12 PW) - Autonomous driving plant " Two axles 4 wheels " for self propelled movement machine version

TENSIONER / PULLER Code 108/...AF – 108/...AFO**ACTIVE TENSIONER Code 108/...FA – 108/...FAO**

- 01 TP-AT) - Pre-arrangement (PR/TER 301.01) for electronic recorder simple circuit coupling (TER 301.01)
- 02 TP-AT) - Pre-arrangement (PR/TER 302.01) for electronic recorder double circuit coupling (TER 302.01)
- 03 TP-AT) - Remote control panel (RCW 000...) by " Wire version " and shoulder strap console
- 04 TP-AT) - Remote control panel (RCR 000...) by " Radio control wireless version " and shoulder strap console
- 05 TP-AT) - Redoubling quick coupling pack for feeding up to 3, 4 or 6 remote reel-stand with driven head equipped, like (CT0407-V0001 + CT040T17-S0001 and ATR4-S0000)
- 06 TP-AT) - Redoubling conductors guide rollers
- 07 TP-AT) - Pressure take- off 700 bar device for hydraulic press head feeding
- 08 TP-AT) - Conductor locking clamp hydraulically controlled
- 09 TP-AT) - Conductor earthing roller device
- 10 TP-AT) - Roller guiding device for " Underground laying " lowering to ground level a line pulling rope
- 11 TP-AT) - Hydro-pneumatic braking plant at wheels on rigid axle
- 12 TP-AT) - Rear lights bar " CE standard "
- 13 TP-AT) - Hydro-pneumatic braking plant/trailer with lights for towing on road up to 80 km/h " CE standard "
- 14 TP-AT) - Adherence wheels (drums) in thermally treated steel version
- 15 TP-AT) - Kit of adiprene lining interchangeable sectors for further till to " Six bundle " configuration and special or compact cond. type.
- 16 TP-AT) - Synchronizer clutch device admitting equal speed laying between circuits
- 17 TP-AT) - Reel winder arm with automatic level-winder device (solid) to the machine
- 18 TP-AT) - Pre-arrangement machine for connection in " Tandem " with a further compatible tensioner controlled by centralized control panel.
- 19 TP-AT) - Kit of electrical/hydraulic and mechanical coupling accessories for as above in 18 TP-AT

INACTIVE TENSIONER Code 108/...F – 108/...FO

- 01 IT) - Kit of adiprene lining interchangeable sectors for special configuration and special or compact cond. type.
- 02 IT) - Hydro-pneumatic braking plant at wheels on rigid axle
- 03 IT) - Rear lights bar " CE standard "
- 04 IT) - Hydro-pneumatic braking plant/trailer with lights for towing on road up to 80 km/h " CE standard "
- 05 IT) - Redoubling conductors guide rollers
- 06 IT) - Conductor earthing roller device

