

## 1. SYSTEM DESCRIPTION

### Presentation

The racks TA3840C communication unit, TA3840R remote display unit, TA3840S safety unit are parts of the TA3840 system or EMx40 system, dedicated to monitor the tankers' liquid cargo parameters such as level, temperature and pressure, as well as all associated measurements, for the installed transmitters.

The rack TA3840C A/D Analog data collection unit is part of the TA840 System.

The racks TA3840C, TA3840C A/D and TA3840S are installed in a 19" cabinet, whereas the panel TA3840R is installed in a wall mounting box or provided to be flush mounted in a console.

The general description and the operation of the system are described in the MT5008E technical manual.



### SAFETY PRECAUTIONS:



Maintenance intervention should be carried out on the connections and electronic boards with electrical power off.

The equipments must be wired up by a qualified electrician. The mains connection, grounding, circuit breaker and protection must conform to the standards and regulations in force (these parts are not included in those we supply). We cannot be held responsible for damage caused directly or indirectly by faulty installation.

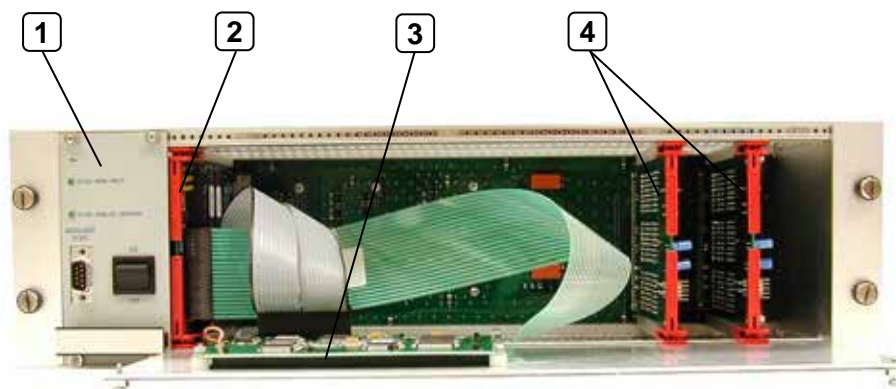
## Electronic boards

### TA3840C - Communication unit

- Remove the 2 upper screws of the front panel.



***Tilt the front panel while maintaining it to prevent that it goes out from its hinges - Risk of deterioration by falling.***



1	Power supply and communication board
2	Control Processing Unit board
3	LCD display board
4	4-20 mA analog inputs boards, 48 channels each (option), or multifunction boards (option)

### TA3840C A/D - Data collection unit

Only the items 1 and 4 are present. The front panel is blind.

### TA3840S - Safety unit

- Remove the 2 upper screws of the front panel.



***Tilt the front panel while maintaining it to prevent that it goes out from its hinges - Risk of deterioration by falling.***