



# TBOX LP200

## Technical Specifications

- ⇒ Low power Datalogger and remote alarming system (« low power RTU »)
- ⇒ 8 digital inputs dry contacts (0 to 12V compatible) for counting and flow measurement - acquisition frequency : 8 times per second. Maximum input voltage : 30 VDC
- ⇒ 3 analog inputs 10 bits that can accept:
  - External pressure sensor: power supply 12V or 24V measurement 0-5V
  - 0-5V with power supply 12V or 24V delivered during the time of the measurement (programmable)
  - 4-20mA with power supply 12V or 24V delivered during the time of the measurement (programmable)
- ⇒ 1 analog input 10 bits for voltage measurement -10 to +10V (i.e. cathodic protection).
- ⇒ Power Supply: internal lithium battery type C (3V6, 7.2 Ah) on support (delivered with one battery, possibility to add a second one) with life expectancy of 5 to 10 years and possibility of external power supply from 8 to 16 volts (standard with power requirement of 10mA). Sliding switch to disconnect battery when out of use
- ⇒ Modem (auto powered) V22 and V22bis (possibility of V21 and V23 - optional) -TBR21 approval
- ⇒ Internet compatibility: supports statistical reporting by email and FTP (2003)
- ⇒ One RS232 port
- ⇒ Two pushbuttons (Reset and PGM) and one led (to indicate the functioning mode when PGM button is pressed)
- ⇒ 16 bits Microcontroller with 256k bytes of flash and 20k bytes of internal Ram
- ⇒ external Ram of 128 k bytes
- ⇒ external Flash of 512k bytes
- ⇒ EEPROM of 32k bytes for recording customer data
- ⇒ Battery voltage measurement (10 bits)
- ⇒ Consumption in stand-by : 10  $\mu$ A
- ⇒ Real Time clock - watchdog
- ⇒ Enclosure IP66 (EN60529), IK08 (EN50105)
- ⇒ dimension 180x180x60 mm (HxLxP) to be fixed by 4 points diameter 4,5mm.
- ⇒ Weight : 700 gr
- ⇒ Working conditions: -20°C to +50°C
- ⇒ Storage conditions : -20°C to +70°C
- ⇒ Product reference: TBOX LP200

Technical specifications may change without prior notice