



DIPSA

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CENTRALISED DIAGNOSTIC SYSTEM FOR THE REMOTE
MONITORING OF RAIL TEMPERATURE

BENDY 32



Tele Logger diagnostic centralized system for remote rail temperature control.

"BENDY 32"

in reference to technical features of:

- TCAR SF AR 12 001 A "DIAGNOSTIC RAIL TEMPERATURE SYSTEM"
- TCSSTB SF IS 16 737 A "DIAGNOSTIC RAIL TEMPERATURE MONITORING CENTRALIZED SYSTEM"



Azienda certificata sistema
UNI EN ISO 9001:2000
Cert. N. 0011866



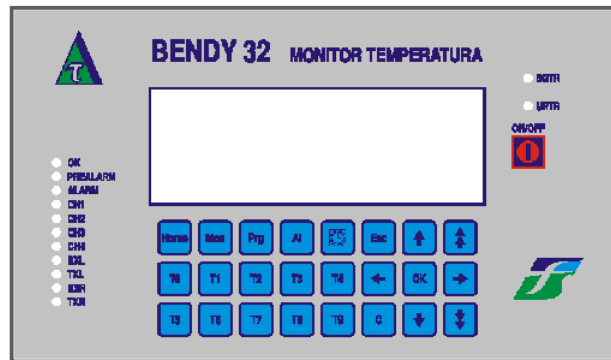
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Basic functioning

The rail temperature acquisition system called BENDY 32, Dipsa Technes patented, allows to survey and storage rail temperature in each probe application point. The LCD display panel shows 4 lines and 20 characters for each line for an easy reading, and, furthermore, 24 dedicated keys allows a fast and complete view of datas and parameters. Bently 32 can be linked with others PCs for informations exchange.

Parts system

SGTR: Rail probes linking unit

Unit with 2 probes for redundant surveying rail temperature point. It reads a probe PT100 temperature value and transmit dedicated line RS485 until 800mt.

Each unit can be connected with many control points.

URTR: *Rail temperature detection base unit*

Base unit, to which can be connected until 16 SGTR units on 800 meters branch for a total of 1600 meters.

System set up

Separate units are supply for an easy assembling through connectors:

- 1) **BENDY32-URTR** Base unit-composed system with 8 places rack.
- 2) **BENDY32-CVRETE** Connector cable for URTR unit power supply.
- 3) **BENDY32-SGTR** Remote reading probe unit.
- 4) **BENDY32-CV485** Sheath cable with connector for SGTR and URTR and for PC link on RS485.
- 5) **BENDY32-PROBE** Sheath cables with connectors and probes for rail temperature monitoring, made

Hardware elettronico

electronic board named bus
electronic board named CPU – base
electronic board named power supply
electronic board named modem

Software Bently 32-view

Local net connector for portable PC.
Transferring informations by modem.
URTR's detected data temperature management with statistics and storing.
Alarms management through acoustic and visuals warning signals.