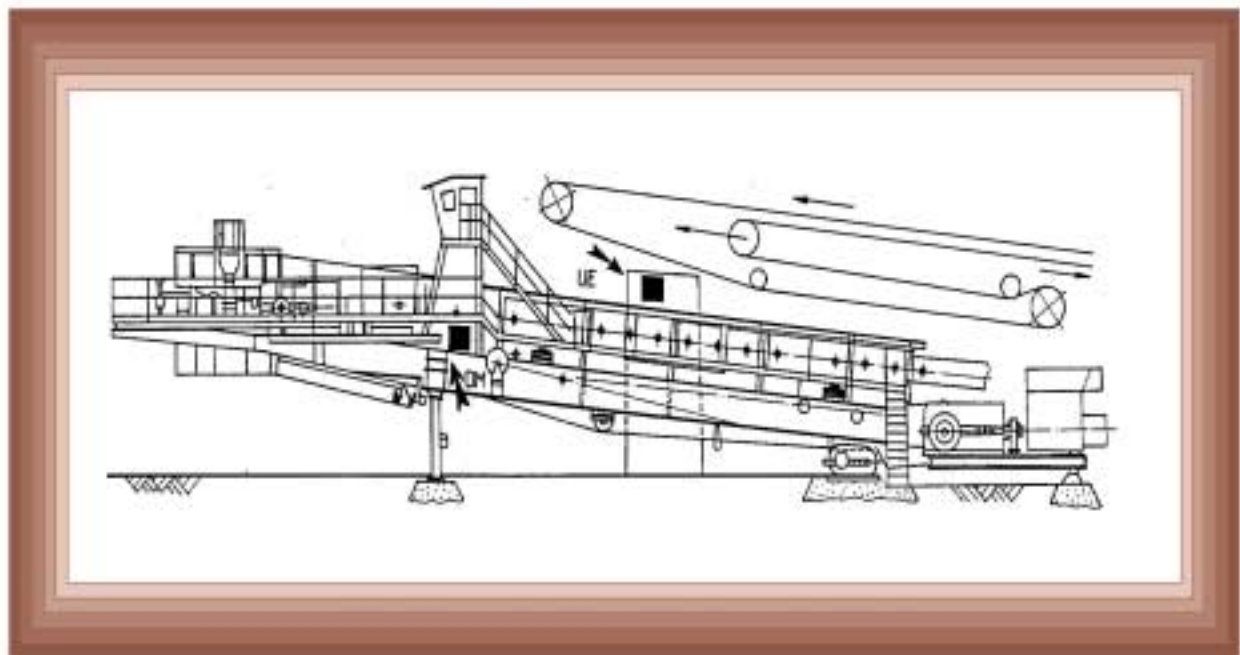




ICMET
National Institute for Electrical Engineering
Research - Development - Testing

LABORATORY DEPARTMENT

1100 CRAIOVA - ROMANIA , Calea Bucuresti 144
FAX: +40 251 415 482; 40 251 416 726 ; e-mail marinescu@icmet.ro
Phone : +40 251 437 795; 40 251 436 866



TENSION MEASURING EQUIPMENT FOR CONVEYER BAND

GENERALS

Tension measuring unit for conveyer band, ITB is specific to heavy duty band conveyers reading permanently the band voltage and at the same time allowing the adjustment of electric signal (minimum and maximum) steps corresponding to the tension in band and at which to be actuated the intermediary relay contacts on the automatic adjust circuit of the conveyer band traction.

The unit is composed of a measuring cell DM and an electronic unit UE interconnection being achieved with connectors type CC and cables type MCG.

TECHNICAL CHARACTERISTICS

- Rated force of measuring cell F_N 10; 15 tf
- Overload $2 F_N$
- Accuracy class 1(0,5)
- Power supply 220 V, 50 Hz
- Limit range of the operating temperature
 - for measuring $- 20^{\circ}\text{C}, + 55^{\circ}\text{C}$
 - for electronic unit $+ 5^{\circ}\text{C}, +40^{\circ}\text{C}$

FUNCTIONS

- It displays the value of the tension in the conveyer band
- It provides the automatic control and adjustment of the tension in conveyer band