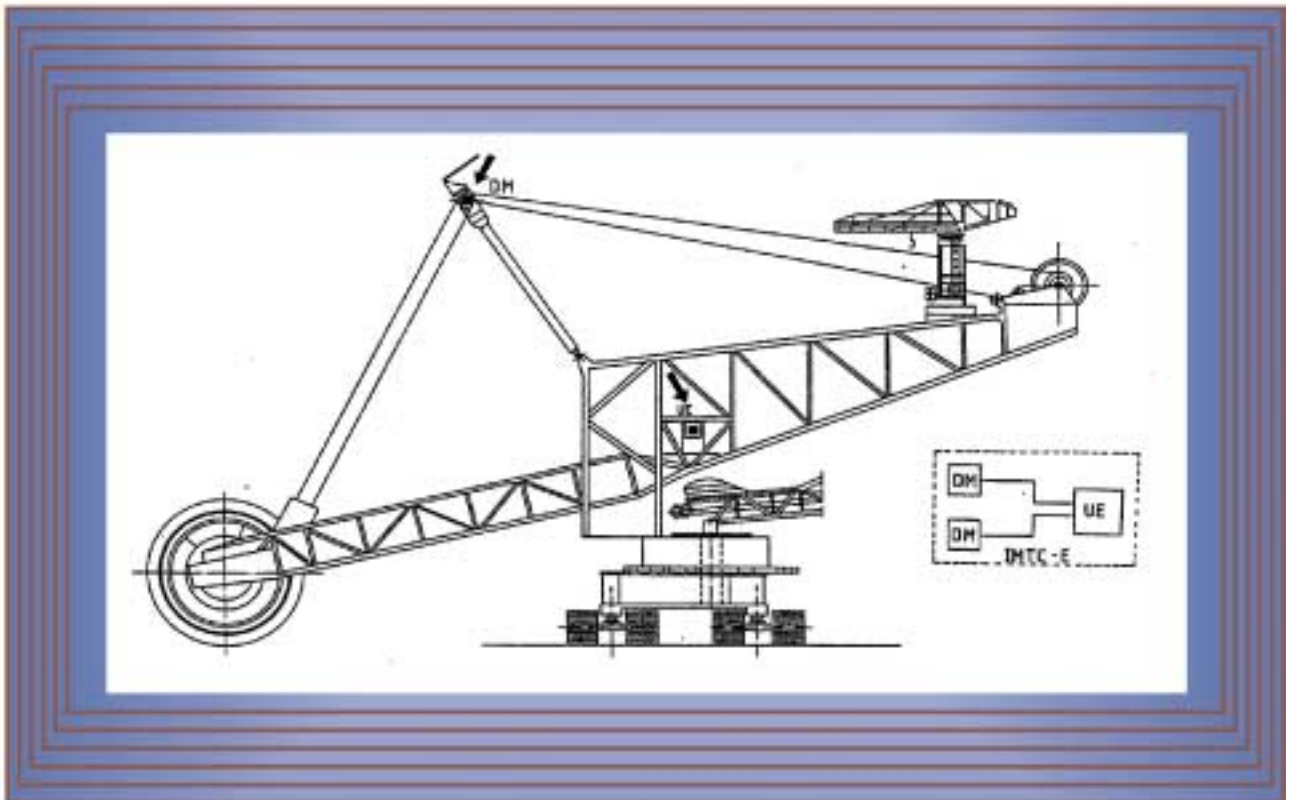




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Traction Force Measuring Equipment in Cables for Shovels

GENERALS

IMTC-E unit is intended to measure traction force in load cables of the scoop wheel shovel dipper stick.

The unit is made by two measuring cells (DM) with magnetoelastic transducer and an electronic unit (UE).

Interconnections DM – cable - UE are achieved with connectors series CC and packing glands type PR2.

TECHNICAL CHARACTERISTICS

- Rated force 0 - 300 tf
- Power supply 220 V, 50 Hz
- Protection degree
 - for measuring cell IP 54
 - for electronic unit IP 44
- Limit operating temperatures
 - for measuring cell - 20⁰C, + 55⁰C
 - for electronic unit + 5⁰C, + 40⁰C
- Accuracy class 1

FUNCTIONS

- It displays the traction force in the electric case of the shovel. It provides the traction force control on a given field.
- Optionally, it can signal trouble operation condition of the scoop wheel stick.