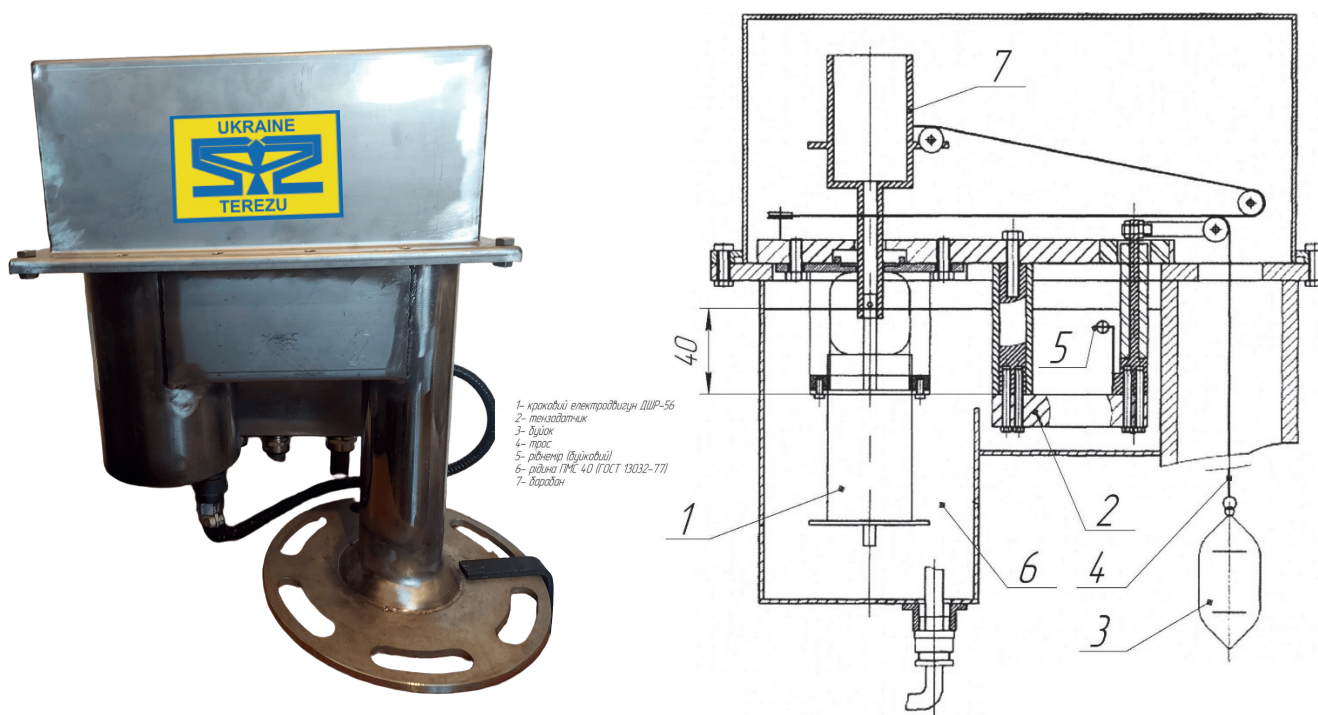


LEVEL GAUGE

The level gauge is based on advanced service technology as an alternative to expensive electronic devices. The servo-driven level meter IPG (ИПЖ-СПТ) has found wide application in various industries to measure petroleum products, chemicals, water, and other Newtonian liquids.



Device and principle of operation

The buoy hangs on a flexible, measurable wire that is wrapped around the drum with precision grooves. The drum axis is connected to the stepper engine (servo drive). The actual weight of the buoy is measured by a force converter. The output value of the force converter is compared with the required buoy weight.



Originality is eternal,
Simplicity is efficient

TECHNICAL DATA:

fuel and free water level measuring accuracy:	<u>± 1mm</u>
fuel level reproducible values range:	<u>0,3-20 meters</u>
fuel density measurement accuracy over the entire height of the tank with automatic step changing:	<u>± 0.5 g/l</u>
fuel temperature measurement accuracy:	<u>± 0.5°C</u>
explosion-proof version:	<u>0ExSIIT5/ IP67</u>

SYSTEM COMPOSITION

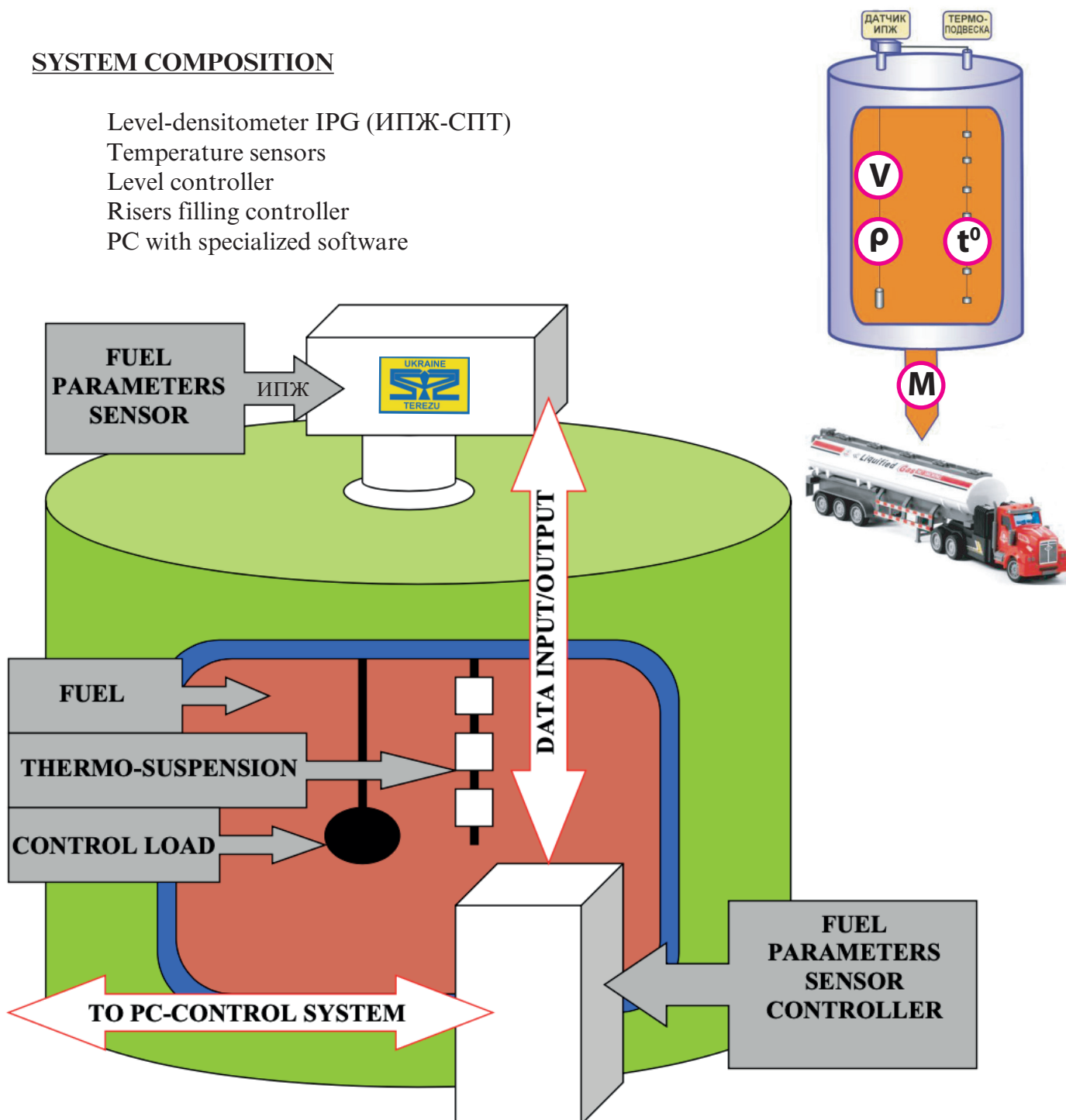
Level-densitometer IPG (ИПЖ-СПТ)

Temperature sensors

Level controller

Risers filling controller

PC with specialized software



TANK LEVEL GAUGING SYSTEMS

SYSTEMS SOFTWARE

Own software can be connected to a common SCADA management and accounting system. Using the context menu on the tank image allows you to:

- View changes in the oil product level,
- View density distribution throughout the liquid column,
- View changes of the liquid volume,
- View temperature distribution throughout the liquid column,
- Set to spot density measurement mode,
- Set to spot fuel separation measurement mode,
- Arm/Disarm security mode,
- Alarm: limits at loading, leakage of the product during storage.



TANK LEVEL GAUGING SYSTEMS