

DEVICES

GEOSTAR Series

AUTOMATIC PERMANENT ECHOMETER GEOSTAR-112



USAGE

Automatic registration of the liquid level depth. Designed to register the level buildup curve (level depth, casing pressure, echo graph) according to the user-defined time scheme without the operator's presence.

Possible to use for the control of pump operation in the telemechanic remote systems as fully automatic device.

It is equipped with the gas balloon in a case of using on oil well with a zero or small casing pressure.

APPLICATION

Used by oil production, research and development (R&D) and well logging departments in the oil&gas producing companies.

ADVANTAGES

- Designed for a long-term operation
- Simplicity of mounting and device startup
- Ability for operation on zero and small casing pressure
- Ability for operation with PC-computer, registration unit and handheld to startup the device and view of measurements
- Compactness and small weight

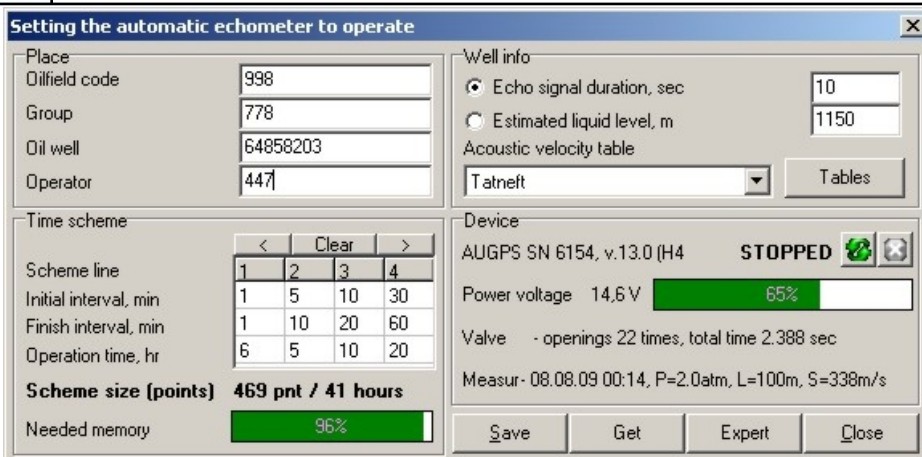
SOFTWARE

Software EDWin™

Designed to prepare the measurements received from devices GEOSTAR-111 and GEOSTAR-112.

Software allows:

- to edit parameters of measurement;
- to view received measurements;
- to prepare the level buildup curve;
- to calculate SBHP;
- to transfer the prepared curve to the file;
- to use the flexible filter for seeking of measurements;
- to print the graphic and text reports.



TECHNICAL CAPABILITIES

Registered level depth range	8 - 6000 m (26 - 20000 ft)
Operating pressure range (with gas balloon)	0 - 6 MPa (0 - 900 PSI)
Operating pressure range (no gas balloon)	0,1 - 6 MPa (14 - 900 PSI)
Pressure full-scale error	1,0 %
Level depth absolute error	0,6 m
Connection thread	NPT 2 3/8" (API 5CT/5B) or NPT 2"
Sample rate	1 min - 45 days
Memory capacity (10 sec. echo chart)	500 pcs
Non-stop operation time, at least	30 days
Power supply	self-contained 14V (or ext.)
Connection interfaces	PC/Handheld/RU
Interface for remote units	RS-485/Modbus RTU
Working temperature range	-40 .. +50 °C
Overall dimensions	70x155x210 mm
Weight	3 kg (6,6 lb)