



## WELL TESTING TOOLS

- SLICK-LINE UNITS
- MOBILE TESTING UNITS
- SOFTWARE
- INSPECTION AND CALIBRATION TOOLS FOR EQUIPMENT TESTING
- DOWNHOLE GAUGE SYSTEMS

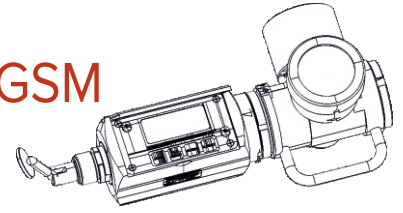
## AUTOMATIC GSM ECHOMETER

SUDOS-AUTOMAT 2 GSM



# WELL TESTING TOOLS

## Automatic Echometer with an integrated GSM SUDOS-Automat 2 GSM



**Saves your expenses through minimization of the mobilization cost, time for “data delivery” and quality improvement of the test.**



### Functions

Fully automated control over the static and dynamic fluid level and annulus pressure in well, transient well testing and long term control of the artificial lift systems.

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MOBILE TESTING UNITS

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DOWNHOLE GAUGE SYSTEMS

INSPECTION AND CALIBRATION TOOLS FOR EQUIPMENT TESTING

SOFTWARE

### Features

- Automatic measurement of the fluid level without operator assistance.
- Data transfer to a database of a distant recipient by means of GSM-network.
- Accumulator is replaceable and rechargeable at any moment, full discharge is not required.
- Testing schedule is fully programmable.

### Specifications

Range of controlled fluid level	20-3000 m (6000 m)
Range of measured annulus pressure in automatic mode	0-100 kgf/cm <sup>2</sup> (0-1422 psi)
Pressure range while controlling the level automatically	0-50 kgf/cm <sup>2</sup> (0-711 psi)
Memory capacity	12064 alphanumeric records/2605 charts
Amount of automatic echometer shots while GSM regime while at -40 Celsius degrees	200
Amount of automatic echometer shots without GSM regime**	1000
Pressure resolution	0,1 atm
Battery charging time	3,5 hour
50% battery charging time	0,5 hour
Operating temperature range	from -40 °C to +50 °C
Dimensions	185x420x190 mm (0,61x1,38x0,62 ft)
Weight	8 kg (17,64 lb)
Data transfer interface	USB / RS232** / GSM-network
GSM-modem construction	Built-in with external antenna
Explosion proof protection / Ingress Protection Rating	1 Ex ib IIB T3 / IP54

\*\* In normal climatic conditions

\*\*\* Devices with RS232 communication interface are ordered separately

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