30 ЛЕТ
СИАМ®
SIAM COMPANY

WELL TESTING TOOLS

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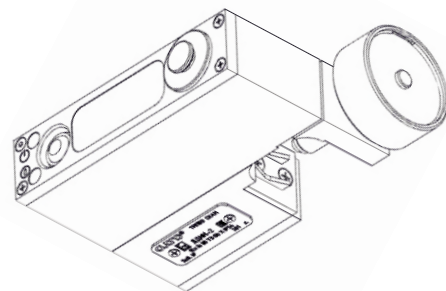- DOWNHOLE GAUGE SYSTEMS

WIRELESS POLISHED-ROD DYNAMOMETERING SENSOR

DDIN-2

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ISO 9001
BUREAU VERITAS
Certification

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WELL TESTING TOOLS

Wireless polished-Rod dynamometering sensor DDIN-2

The explosion proof sensors of 1Ex ib IIB T3 Gb X class.

Functions

- Multiple dyna-card (traveling and load values) records while SRP operation;

- Smartphone based data storage terminal collects all data from sensor via wireless interfaces;

- DDIN-2 sensor has an integrated power source and no screen or keyboards.

Features

- A compatible android based smart phone can be used as a Data Storage Terminal (DST);

- Smartphone or DST provides storage and further transfer into SIAM DB (database)a huge amount of survey data, depending on the model of smartphone;

- Simple user friendly interface (sensor state indicators located on the body of the tool/ survey starts by the signal from DST via wireless interface/all the data stored inside and displayed on the screen of DST);

- Construction of the sensor implies installation of the tool on a polished rod with minimum time;

- Long range of operation distance between DST and Sensor give the opportunity to adjust, control and record the data on a distance upto 50 meters from the wellhead;

- Freeze-proof power source design of sensor allows to charge it within the wide range of operation temperatures (starting from -20 Celsius degrees);

- Durable standalone design and wireless interfaces of the DDIN-2 sensor make it automation appeal. Sensor can be used for a SCADA integration with minimum adjustments.

Specifications

Max controlled load on polished rod	20 000 kgf
- polished rod diameter	16 – 39 mm
- rod stroke	0,5 – 10 m
Stroke rate	0,4 - 15 SPM
Resolution while controlling the load	10 kgf
Battery operating ON-time	2160 hours
Operating temperature range	from -40 ˚C to +50 ˚C
Weight	1,35 kg
Data transfer interface	USB / Bluetooth
Explosion proof protection / Ingress Protection Rating	1 Ex ib IIB T3 Gb X / IP67