



DOWNHOLE GAUGE SYSTEMS

- SLICK-LINE UNITS
- MOBILE TESTING UNITS
- SOFTWARE
- INSPECTION AND CALIBRATION TOOLS FOR EQUIPMENT TESTING
- WELL TESTING TOOLS

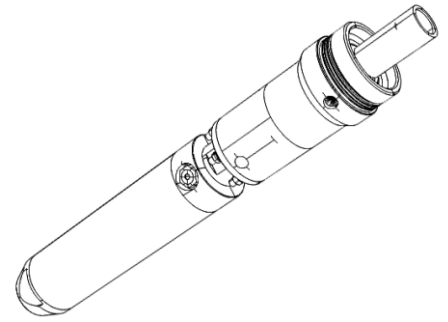
HIGH ACCURACY DOWNHOLE TELEMETRY

SIAM TMS



DOWNHOLE GAUGE SYSTEMS

High accuracy downhole telemetry SIAM-TMS



ESP intake pressure and temperature monitoring

Functions

- High accuracy and resolution enable transient testing;
- High measurement frequency up to one measurement in 5 sec including ESP drive oil temperature, insulation resistance, vibration acceleration;
- Operating temperature ranges up to 150 °C;
- High reliability derives from no submersible unit interference in ESP drive operation;
- Circuit engineering allows communication circuit interrupt of submersible unit from ESP drive if a fault is detected. Both ESP drive and submersible unit can be disconnected;
- Compatible with ESP operator stations available;
- Low power consumption enables battery-powered operation in case of emergency.

Optional measurement

- ESP drive oil temperature;
- ESP cable insulation resistance;
- Vibration (optional).

Specification

Pressure measurement

Available in ranges of 0–250, 0–400, or 0–600 bar

Accuracy $\pm 0,15\%$

Resolution 0,001 bar

Temperature measurement

Available in ranges of 0–150°C

Accuracy $\pm 0,2^\circ\text{C}$

Resolution 0,001°C

Connection interface to ESP control station RS-232 or RS-485

PC connection interface USB

Real time data transfer GSM-network

Calibration period 3 years

SIAM[®]
SIAM COMPANY

WELL TESTING
TOOLS

MOBILE
TESTING
UNITS

SLICK-LINE
UNITS

DOWNHOLE
GAUGE
SYSTEMS

INSPECTION AND
CALIBRATION TOOLS
FOR EQUIPMENT
TESTING

SOFTWARE

TNPVO «SIAM»
3 Belaya Street
Tomsk 634003,
The Russian Federation
tel +7(3822) 65 38 80
fax +7(3822) 65 97 97

siam@siamoil.ru
www.siamoil.ru

