



WELL TESTING TOOLS

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

WELLHEAD PRESSURE AND TEMPERATURE GAUGE

UMT-03-XX-T,
UMT-03-XX-BT,
UMT-03-XX-A



WELL TESTING TOOLS

Wellhead pressure and temperature gauges UMT-03-XX-T, UMT-03-XX-BT, UMT-03-XX-A



Functions

- Suitable for both production and injection wells;
- Single or continues wellhead pressure recording;
- Designed for SCADA application due to 4-20ma(+HART модем), RS-485(MODBUS);
- Remote data transfer concept availability via GSM/GPRS/LTE, Ethernet interfaces.
- Long lasting surveys due to a large built in memory and programm set functions;
- Remote connection and data withdraw via USB or Bluetooth interfaces on to Android based devices (smartphone, tablet PC) or windows based PC.
- Specially designed software package for data collection, storage and preliminarily analysis;

Features

- Advanced temperature rating from -40 °C up to +85 °C;
- External temperature fluctuations prevention design ;
- High contrast OLED display;
- High reliability due to sensors keyboard;
- Minimal set of control buttons (1) and remote control of the tool;
- Возможность работы как от встроенной батареи, так и от внешнего источника питания.
- ModBUS protocol available for SCADA applications;

Specifications

Available ranges of maximum pressure, MPa:	4; 10; 25; 40; 60; 100
Max reducial error, not more than	±0.15%
Pressure channel resolution (MPa) / temperature channel resolution, (C)	0,0001 / 0,001
Temperature measurement range	-40°C up to + 80°C -40°C up to + 125°C
Max absolute error while temperature measuring , not more than, C	±0,2°C (-20 °C...+50 °C)
Minimum time step, sec	1 ^{2),3)}
Maximum period of measurement, hours	24 ^{2),3)}
Memory capacity, dots	16 777 216(190 days @ 1sec.) ³⁾
Continuous operation time, at 1 sec step (type D battery not less than 15Ah at turned- off display).	not less than 3 years
Supported data transfer protocols	4-20mA ¹⁾ , Modbus ¹⁾ , USB ^{1),2),3)} , BLE ²⁾
Wireless data transfer range	not less than 100m ²⁾
External power range	5-36V@20mA ¹⁾
Operating temperature range:	from -40°C up to + 85°C
Weight, not more than	1,5 kg
Explosion proof protection/Ingress Protection Rating	1ExIIBT3GbX / IP67
Calibration period	3 years



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SOFTWARE

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