

# NOVOMET DOWNHOLE SENSOR SYSTEM

## HELPING TO DISCOVER YOUR WELL MYSTERIES

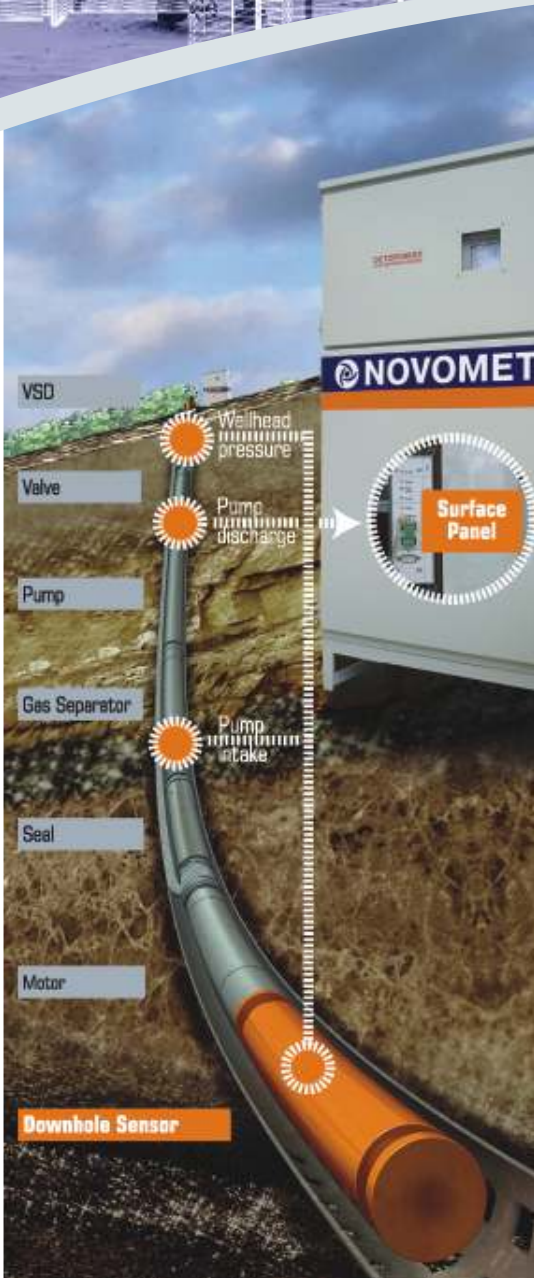
NOVOMET Downhole **Sensor System** provides information about the key ESP performance parameters:

- fluid pressure and temperature at ESP intake
- motor oil temperature
- motor vibration
- discharge pressure and temperature
- pump vibration
- insulation resistance

Next version of NOVOMET Downhole Sensor will provide all of the above parameters plus:

- fluid flow at pump discharge
- producing watercut

Downhole Sensor is compatible with any motor of 81, 96, 103, 117, 130, 143 and 185 mm series and Surface Panel with VSD of any manufacturer. Downhole data is transferred to Surface Panel via ESP power cable. In case any deviation of parameters outside preset limits is determined the system provides programmed ESP starts and stops in order to ensure its reliable operation.



### Parameter

Parameter	Value	Accuracy
Pressure	to 400 bar	1 %
Motor temperature	to 220°C	1.5%
Operating temperature	to 150°C	1.5%
Vibration resistance	0 to 30 mm/s	5 %
Insulation resistance	0 to 9999 kOM	10 %
Overall dimensions of DH Sensor	Ø 96 mm; L=940 mm	
Weight of DH Sensor	22 kg	

