

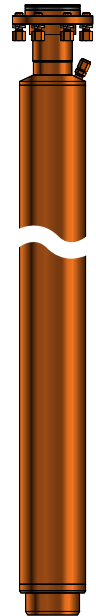


Zenith[®] GFI ESP Gauge

The Zenith ground fault immune GFI ESP gauge is connected electrically to the wye point of the ESP motor. A motor base crossover may be required for some ESP manufacturer’s motors.

GFI’s hybrid design incorporates both GFI and Zenith E-Series E7 monitoring systems in a single housing, resulting in a fully dual redundant ESP gauge.

The gauge is calibrated during manufacture and retains its calibration on board. No dedicated calibration key at surface.



Max working pressure	5,800 psi
Temperature rating	150°C
Data rate	0.5s per reading
Make up length	4.5 ft
Outside diameter	4.5 in

System Parameters	Units	Range	Resolution	Accuracy
Downhole Gauge				
pump intake pressure	psi/bar	0-5,800 psi	0.1 psi	0.1%
pump discharge pressure	psi/bar	0-5,800 psi	0.1 psi	0.1%
intake temperature	°C/°F	0-150°C	0.1°C	1°C
motor oil or motor winding temperatures	°C/°F	0-210°C	0.1°C	1°C
vibration - x and y axes	G	0-5 G	0.003 G	1.0%
tool head voltage	V	0-500	0.1v	1v
diagnostics	-	-	-	-
Surface				
current leakage	mA	0-20 mA	0.001 mA	0.05%
phase 1, 2, 3 voltage & imbalance	Vrms	0-5Kv	10v	20v
cable fault resistance	Gohms	0-999	10	100
bad phase	-	0-3	1	1
Calculated Output				
cable fault severity	-	0-1	0.01	1
cable fault depth	ft	0-99,999	1ft	200ft