Cyclops
PLUNGER ARRIVAL SENSOR

Utilizing modern Geomagnetic Sensing Technology™, Cyclops is the most advanced and reliable plunger sensor available.

MISSED ARRIVAL? FALSE DETECTS? NOT ON MY WATCH.

Cyclops is not your average plunger arrival sensor. Utilizing modern Geomagnetic Sensing Technology™, market-leading Cyclops is the most advanced and reliable sensor available.

Within the rugged enclosure lies a geomagnetic "eye" and a tiny yet powerful microprocessor. When powered, Cyclops is actively watching for a change in the earth's magnetic field around it to signal plunger arrival. Constantly filtering out "background noise" from nearby equipment or environmental changes, Cyclops is able to consistently detect any type of plunger as it arrives at surface.

ETC's innovative line of plunger sensors provide advantages ETC's innovative line of plunger sensors provide advantages such as the ability to, such as the ability to adjust sensitivity, upgrade software, or troubleshoot problematic wells right at the well head.

FEATURES AND BENEFITS

- Digitally Controlled Output
- Intrinsically Safe or Explosion Proof
- Compatible with Wireless Solutions
- -40°F to +160°F Operation
- 5 V to 24 V Operating Voltage
- Low Power
- Adjustable Sensitivity
- Self Calibrating
- 1/2" NPT Port

TECHNICAL DATA

Supply Voltage	5 V – 24 V DC
Current Draw	Typ. – 0.77 mA, Max. – 0.80 mA
Switch Interface	Dry contact, normally open, 100 Ω impedance
Communications Interface	1 wire RS-485 test interface
Operating Temperature	-40°F to +160°F
Certification (IS Model)	Class I, Zone 0, AEx ia IIB T4 Class I, Division 1, Groups C, D T4; Ex ia IIB T4 Class I, Zone 2, Group IIC T4 Class I, Division 2, Groups A, B, C, D T4
Certification (ATX Model)	CE Ex II 3G Ex nA IIC T4 Gc
Certification (ExP Model)	Class I, Zone 1, AEx d IIB T4 Class I, Division 1, Groups C, D; Ex d IIB T4