



1100 / 2100 PUMP STROKE COUNTER SYSTEM

DATA SHEET



APPLICATION

The HDI 2100 Pump Stroke Counter is an intrinsically safe, certified, solid-state electronic stroke counter primarily used for monitoring mud pumps. Found most commonly within the HDI 9000 Choke Console System, the HDI 2100 monitors and displays the total accumulated mud pump strokes and the stroke rate of up to 4 individual mud pumps simultaneously.

The stroke rate for each mud pump can be individually selected for display and is updated every second. Once installed, there is virtually no maintenance or calibration required. The quartz crystal oscillator provides high precision counts with no drift. The stainless steel case is completely sealed and features stainless steel piezo switches for long life. The entire package is constructed to operate in harsh environments and high vibration conditions encountered in land and offshore drilling. All HDI Gauges provide safety, accuracy, reliability, and low maintenance for the user.

FEATURES

- Battery powered
- Field repairable system
- Low battery indicator
- Monitor 1, 2, 3, or 4 pumps simultaneously
- Micro-switch or proximity sensor
- Dual sensors available for HMI/PLC integration
- Solid state display
- Simple interface for calibration

OPTIONS

- 1100 series has membrane panel
- 2100 series has Piezo panel

CERTIFICATIONS (2100 MODEL ONLY)

- CSA
- ATEX



SAFETY
PRECISION
INNOVATION

WELL CONTROL MONITORING AT ITS FINEST

SPECIFICATIONS

- Weight: 5 lbs (as shown gauge display only)
- Case Material: Stainless steel
- Stroke Rate Range: 11 - 300 spm
- Total Accumulated Strokes Displayed: 65,535 strokes
- Power: HDI E260 Battery Pack, 1 year life span
- Gauge Head Operating Temperature: -40°F to 176°F (-40°C to 80°C)
- Display: Liquid crystal display of total strokes and selected pump spam
- Time Base: Quartz crystal oscillator
- Viewing Distance: 30 feet
- Electronics Protection: Gasket seal
- Sensor Housing: Micro-switch or proximity sensor
- Maximum Inline Cable Length (distance from gauge head to point of measurement): 1,500 feet

DIMENSIONS

All dimensions given are in inches and [millimeters] unless otherwise noted.

