

CD52-Bandit Non-Intrusive Pig Passage Indicator



With over ten years of production and thousands of problem-free units in the field, the CD52 Bandit has a proven track record of providing a simple, reliable, durable and non-intrusive means of detecting and recording pipeline pig passages in the world's most harsh environments.

Once placed on the pipeline, CDI's patented noise-cancelling antenna immediately begins scanning for both transmitter and permanent magnet equipped pipeline pigs. When a pig passage is detected by the system operators are notified simultaneously through the LCD display which shows dates and times, and relay outputs which can be interfaced to PLCs, SCADA, lights and horns.

With marine-coated stainless steel as an option and an explosion-proof rating on every single system, the CD52 can be used throughout your pipeline system regardless of environment.

Specifications

Length: 20.0 Inch (508 mm)
Height: 19.1 Inch (486 mm)
Width: 7.6 Inch (193 mm)
Weight: 25 lbs (11.3 KG)
Temperature: -50° F (-45° C) to 176° F (80° C)



- Completely non-intrusive to the pipeline requiring no hot tapping or product interruption for installation
- Certified explosion-proof ATEX rated enclosure is standard
- Bi-directional pig detection
- Detection of both transmitter and permanent magnet equipped pigs
- Operational temperature range as wide as -45°C to +80°C with optional heater
- Can be installed above ground on exposed pipe or below ground on buried pipe; height of unit for buried applications is customer-specified
- Designed for permanent or temporary use both on and off-shore
- Flash memory holds the 10 most recent pig passage dates and times
- Powered for one full year on two off-the-shelf D-Cell Alkaline batteries, or can utilize client's +24VDC remote power
- Easily bands to pipelines from 2" to 60"
- Works with wall thicknesses up to 1.5 inches
- Both Normally-Open and Normally-Closed isolated relay outputs are available for interfacing to SCADA, PLCs, and Satellite Radios
- Available in standard Aluminum or optional 316L Stainless Steel
- Remote Indicator System provides visibility to 100 Meters or from helicopters and light aircraft
- Optional Satellite Radio can send pig passage time, date and GPS location via email or SMS message
- Warranted for one year for materials and workmanship



Easily attaches to the outside of the pipeline, records the 10 most recent pig passages and the remote indicator is viewable from up to 100 meters.



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CDI is a family-owned and operated business located in Broken Arrow, Oklahoma. We have been manufacturing quality products since our incorporation in 1982 and moved into our custom designed facility in 2005. CDI currently employs 25 people in specialized fields of electronic and mechanical design, software and firmware programming, electronics manufacture, machining and more.

Industry Experience

Our founder, Tony Farque, has a lifetime of experience in electronics design, specializing in analog circuitry and magnetics. After decades of work in freelance electronics design in a wide variety of fields, Tony and his family formed CDI and directed their efforts to the pipeline pig location and tracking industry, which they



felt would benefit from higher technology. Through their efforts, CDI has succeeded in designing and manufacturing the most advanced, easiest-to-use and most durable tracking systems on the market today.

On-Site Manufacturing and Warehousing

All of our products are designed and built in house, utilizing our on-premises machine shop



with four fully-automated CNC machines. Our state-of-the-art equipment and full-time electronics assembly personnel and in-house product warehousing and shipping area, assures our customers the highest quality products and on-time deliveries.



Additional Market Innovations

CDI has branched into in many facets of the market, including subsea equipment, permanent installation pig passage detectors, time-based benchmarking, magnetic through-wall communications and a wide variety of standard and custom designed magnetic transmitters.

Employee and CDI Loyalty

A number of employees have been with the company for many years and we're proud of that. Our family-oriented atmosphere even includes a gourmet kitchen where our chef prepares a free breakfast and lunch for our employees each day. Our dining area has been a great success for CDI. It not only provides a healthy meal for our employees but the relaxed atmosphere creates an opportunity for the different departments talk to each other, share ideas and discuss solutions for making our company the best in the industry.

