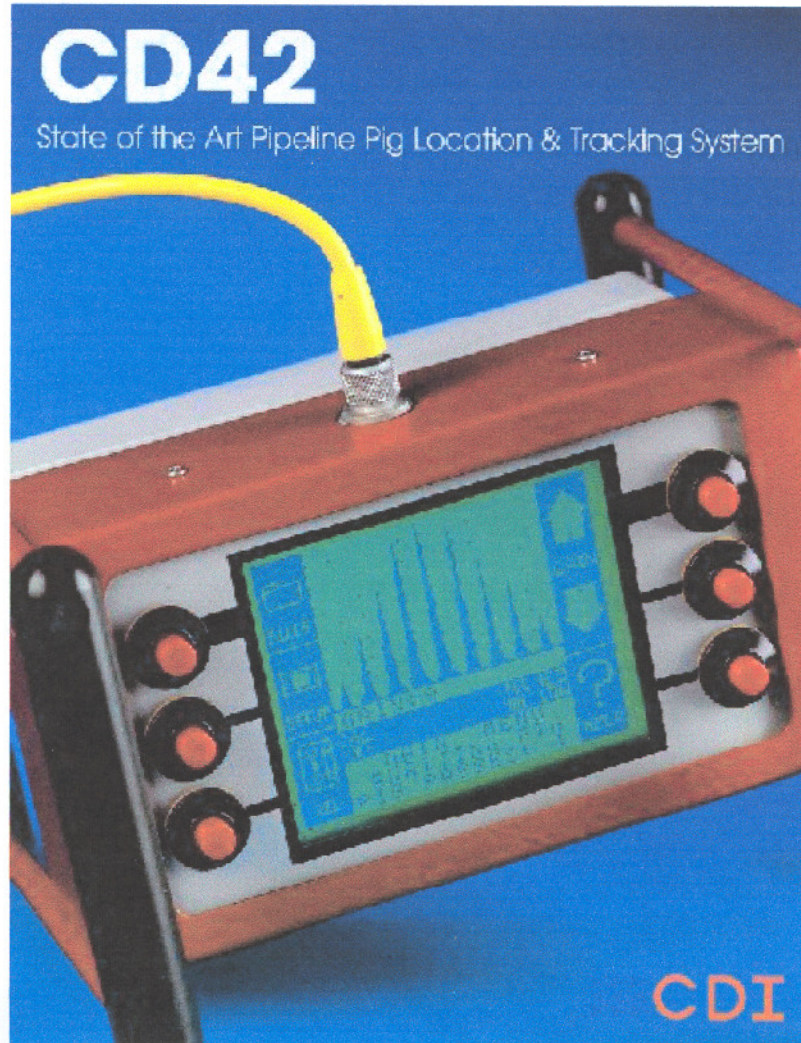
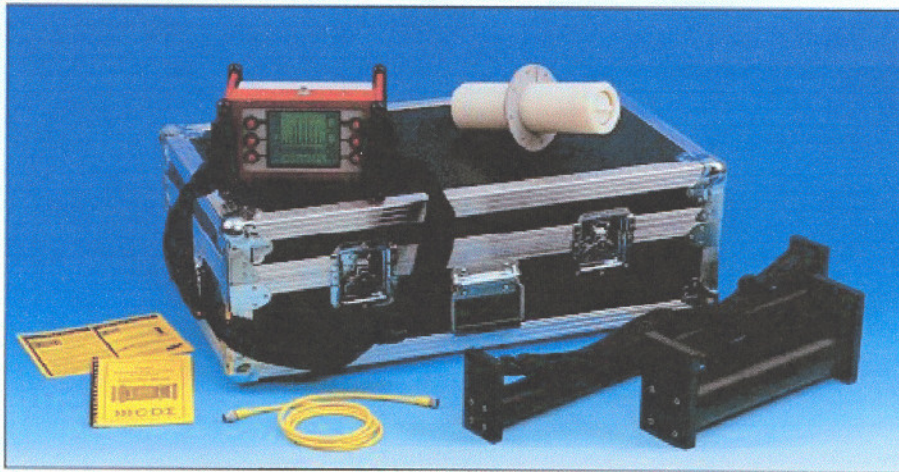


The Cover of the CD42 Pig Location & Tracking System Brochure



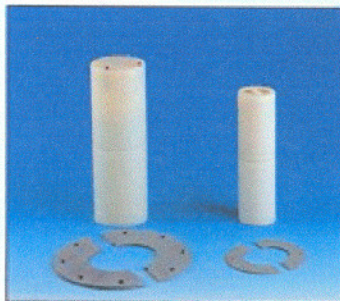
Page One of the CD42 Pig Location & Tracking System Brochure



The CD42-K1 Pipeline Pig Location and Tracking System

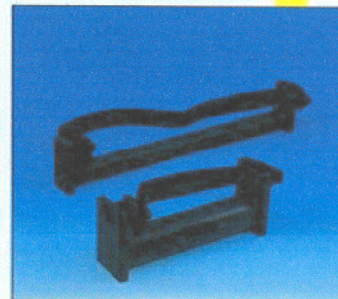
Designed from the ground up for the pigging industry, the CD42-R receiver allows a pipeline operator to have the advantages of micro-processor technology for use in his pigging activities. This technology includes a simple, graphical menu system created specifically for pigging, and a display that reveals the distinctive pulsing pattern of a passing pig (as shown on the cover). These same features allow for much quicker, more precise location of stationary pigs as well.

- When pig passages are detected, their count, location, time and date are stored in the computer's memory.
- A pig passage can be recalled from memory for viewing, report printing, or transferring to desktop PCs.
- The operator can get assistance with many functions by using the built-in help menu.
- The graphic screen is backlit for readability in dim light, blanks to save energy, and is automatically reactivated when pig passages are detected.
- Built-in speakers are used to indicate pig passages, transmitter pulses, button presses, etc.
- The stainless steel chassis is designed to endure rough pipeline conditions, is water resistant and has both serial and printer ports built-in.
- The receiver has a rated battery life of 40 hours minimum with all options on, including the backlight.
- System software can be upgraded to new versions as they become available.



The Transmitters

The CD42 transmitters are designed to fit into, or be towed behind, all types of foam, uni-cast and metal pigs. The CD42-T1 transmitter is rated for 6" to 28" pipelines and uses 6 standard AA-Cell batteries to transmit for over 500 hours (3 weeks). The larger, more powerful CD42-T2 transmitter is rated for 30" to 60" pipelines and uses 6 C-Cell batteries to transmit for over 375 hours (over 2 weeks). Both the transmission signals and physical dimensions of the transmitters are compatible with other brands of pig tracking systems. The rugged, pressure-ready Nylon cases can be run in a very wide variety of harsh chemicals.



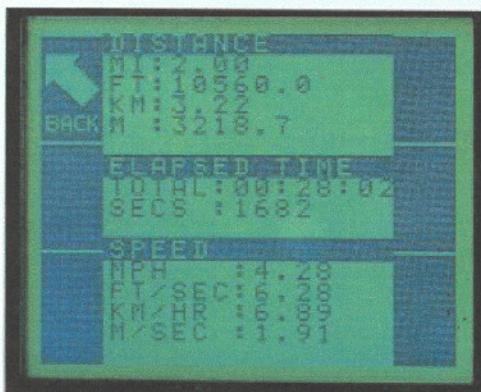
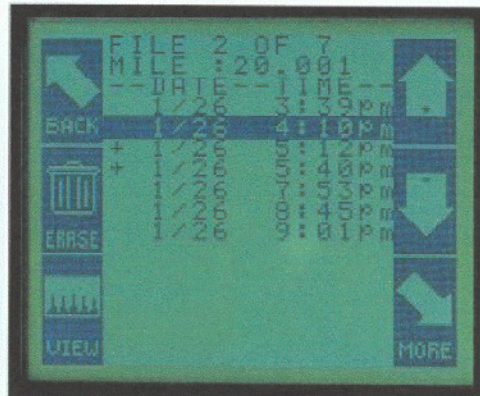
The Antennas

The CD42 receiving antennas are designed for two separate tasks. Under normal circumstances the CD42-GP (General Purpose) antenna rejects false signals created when it is moved. This unique feature allows operators to walk continuously with no interference, eliminating the time consuming "walk and stop" method that other tracking systems require. The CD42-GP receives open air signals to a distance of 50 feet, and the more sensitive CD42-LR (Long Range) can receive open air signals to a distance of 150 feet (valuable in deep ground cover situations). The Nylon antennas and their cables are completely waterproof.

Page Two of the CD42 Pig Location & Tracking System Brochure

Pig Passage Recordings

As a pig run progresses, the operator can record the passage of the pig at each location he visits on the pipeline. After a few hours of pigging, the computer has a list of pig passages that looks similar to the photograph on the right. Each of these recordings contains the passage's time, date, image and (optionally) the mile or foot marker of each recording's location on the pipeline. When entering location information, the operator is allowed to use either the English or Metric measurement system, whichever is most convenient for him.



Pig Speed Calculations

A first in the industry. The operator can use the pig passage recording list as shown above to obtain the average pig speed between any two recordings that he chooses. This could be the average speed of two recordings separated by as little as a few hundred feet from one another, or the average speed between the first and last recordings separated by hundreds of miles. Elapsed time and elapsed distance between any two user-selected recordings is also displayed.

Printed Reports

The CD42 has the unique, built-in ability to print detailed reports to any typical dot matrix printer at the press of a button. One report provides graphic information regarding all aspects of any one single recording, including the image of the pig's passage, its time, date, location, and more. Another report presents the operator with a detailed, text-only summary of all of the recorded passages in memory, their times, dates, locations, durations, etc. By removing the receiver's water-resistant back panel the user gains access to a standard PC-type parallel printer port.

