

CD42-STS

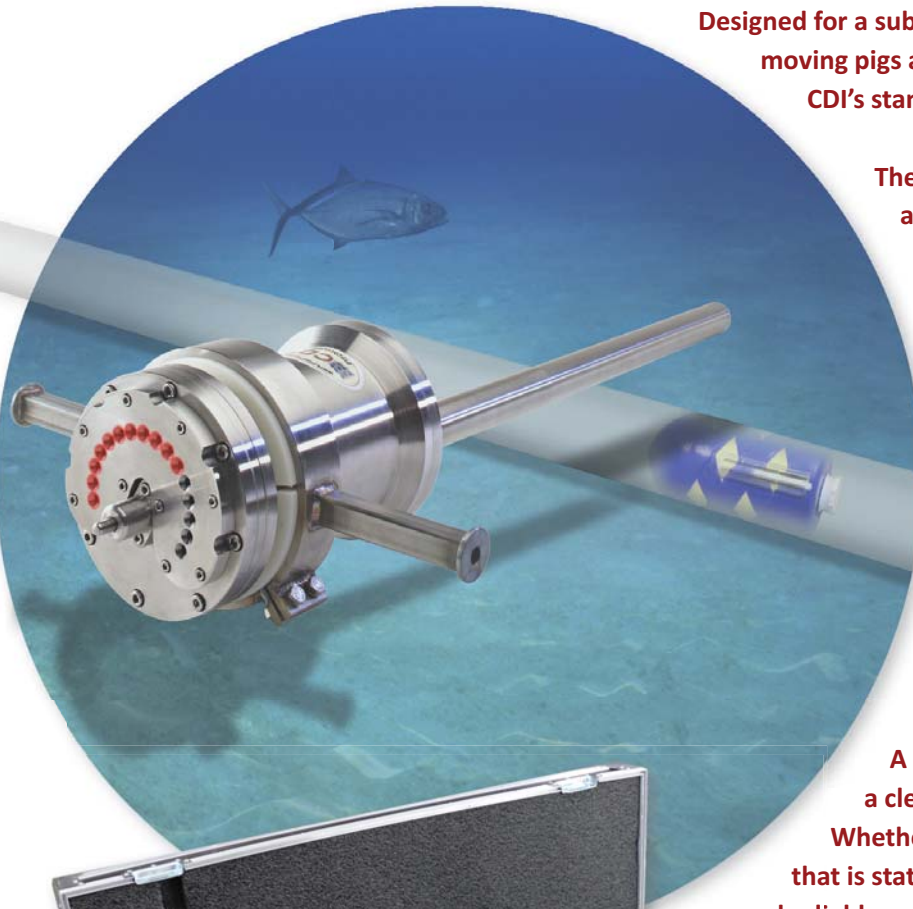
Subsea Diver/ROV Pig Location & Tracking System

Designed for a subsea environment, the CD42-STS tracks moving pigs and locates stationary pigs equipped with CDI's standard line of electromagnetic transmitters.

The CD42-STS may be implemented to a maximum depth of 8,000 ft (2,439 m) and is designed to be carried by either a diver or ROV. The CD42-STS is a reliable, field-proven system with many successful deployments around the world.

Utilizing CDI's popular portable receiver design, the CD42-STS may be used to locate and track any type of pig—foam, polyurethane, uni-cast, metal-bodied, and even ILI tools—along the ocean bottom.

A series of bright LEDs give the operator a clear indication of transmitter strength. Whether tracking a passing pig or locating one that is stationary, the CD42-STS offers a safe, simple, and reliable solution.



CD42-ST5

Subsea Diver/ROV Pig Location & Tracking System

CD42-ST5 Operational Specifications

Detection Type:	Non-Intrusive Electromagnetic
Applications:	Tracking and/or Locating via Diver or ROV
Deployment:	Subsea (ROV or Diver)
Sensor:	Wire-wound Antenna
Detection Direction:	Bi-Directional
Devices Detected:	Electromagnetic Transmitters (Standard CD42 Family)
Detection Speed:	0.01 meter/sec to 20 meter/sec
Visual Indicator:	16 Super-bright LED array indicates transmitter signal strength
Power Source:	D-Cell (6) Alkaline Batteries
Battery Life:	60 hours (2.5 days)
Controls:	Gain Adjustment via Non-penetrating Pushbutton
Dimensions:	36.5 in. [927.1 mm] length x 6 in. [152.4 mm] diameter
Operational Temperature Range:	-4°F to +140°F [-20°C — +60°C]
Water Depth, Maximum:	8,000 ft [2,438.4 m]
Operating Pressure, Maximum:	3,560 psi [245 bar]

Construction

Housing:	316 Stainless Steel
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Optional Equipment

C42-CPA Close Proximity Antenna



The Close Proximity Antenna (CPA) allows the detection of any number of pigs in subsea pig launchers. This is useful during the subsea launching and receiving of many pigs as it allows the system to distinguish pigs in very close proximity to one another without cross-interference from adjacent pigs.

CD42-ST5 Fishtail ROV Handles



“Fishtail” handles for CD42-ST5 allow secure handling by ROV manipulator arms.

ORDERING INFORMATION

	Model:	Part #:
CD42-ST5 Subsea Receiver Kit	CD42-K11	81-05-0060-00

includes: CD42-ST5 Subsea Pig Location & Tracking Receiver, D-Cell Alkaline Battery Pack, User Guide, Spare Screws, Spare O-Rings, and Carrying/Shipment Case

Close Proximity Antenna	CD42-CPA	81-10-0075-00
Fishtail ROV Handles (pair)	CD42-FSH	943-50-0003-01