

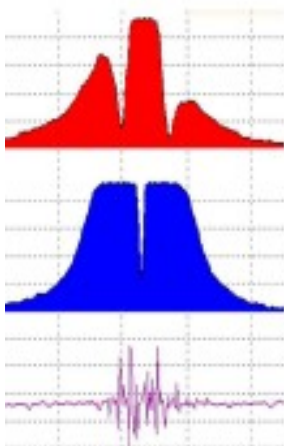
ORT-D3 *Multi-Purpose Pig Locator*

Features, Advantages and Benefits

Pig Location, Pig Tracking, Above Ground Marker and Geophone with GSM and GPS combined in one device without any compromise.

General Features:

- GPS and GSM as standard in every system
- Send text messages to your mobile phone
- GPS time and location
- Easy to use, no computer required for field operation
- Designed for use in rugged environments
- -15°C to +70°C operating temperature
- Waterproof IP65
- Graphics LC Display with backlight
- Rugged membrane keyboard
- Excellent sensitivity and noise rejection for reliable results
- Long battery life (> 200 hours)
- Battery indication
- Built-in speaker
- AUX connector for potential free output, headphone or external buzzer
- USB connector
- Receiver cover with strap
- Lightweight extremely strong carrying-shipment case
- Over 30 years of experience in electronic pig tracking and locating



Pig Location / Pig Tracking / Above Ground Marker System:

- 22Hz electromagnetic receiver for pulse or continuous mode
- Compatible with a wide range of electromagnetic transmitter from competitive companies
- Magnetic receiver for MFL tools or magnet equipped pigs
- Two internal antennas for simultaneous "Dip" and "Peak" recording
- Pig passage recording including time and position
- Signal ring-memory for data evaluation
- Adjustable gain and noise threshold
- Digital meter indication of signal strength
- Real time amplitude mode graph
- Built in analogue and digital filter for excellent noise rejection and very low false positive rate
- Visual, acoustic and electrical pig passage indication
- Optional external electromagnetic antenna for strong interfering environment

Geophone Amplifier:

- Build in Geophone amplifier
- Audio filtering to reduce noise
- Built-in speaker
- Adjustable gain
- Geophone sensor available as accessory
- Headphone available as accessory

Software:

- Windows7 compatible
- USB communication
- Time synchronisation
- Analyse of received data
- Customizable data export

Technical specifications:

Power source:	Alkaline cells	4 x IEC LR 20
Battery life:	Depending on operating mode (20°C)	~ 200 hrs.
Power consumption:	Light off	~ 65 mA
	Light on	~ 85 mA
	GPS on	~ 110 mA
	GSM active	~ 2000 mA peak
Display:	LCD with backlight	320X240 pixel
Conditions of operation:	Temperature range	-15°C to 70°C
	Humidity	5% to 95% non-condensing
	Altitude	max. 4000 m
Storage conditions:	Temperature range	-20°C to 85°C
	Humidity	5% to 95% non-condensing
	Altitude	max. 4000 m
Physical characteristics:	Weight without batteries	2.7 kg
	Weight including batteries	3.3 kg
	Dimension	(22 x 15 x 8.5) cm
	Protection class	IP65 (according to EN 60529)
Internal GSM module:	Mobile module with internal antenna	Quad mode: (850/900/1800/1900) MHz
Internal GSM module EMC:	FCC Parts 15,22 & 24 Class B	
	3GPP TS 51010-1, Section 12.2	
	EN 55022 Class B	
Interface:	External antenna	Geophone or electromagnetic
	Headphone	>= 8 Ω
	Potential free output	max. 24 VDC
	External buzzer	max. 100 mA
	USB	2.0

Receiving range internal/external antenna:

	Range [m] ^{*1}	Range [%] ^{*3}
ORT-D3 internal antenna	7 m	80%
ORT-D3 external antenna	17 m	190%
Ort-D2 ^{*2}	9 m	100%

^{*1} 175h transmitter "free air" measurement. Range depending on wall thickness, ground cover, Mounting position, Interferences and other Influences.

^{*2} reference receiver ORT-D2 H0-115

^{*3} relating to ORT-D2

Accessories:

Receiver cover with strap	Included with Receiver	
Analysis and communication software	Included with Receiver	
Carrying / shipment case	Included with Receiver	PELI™ 1430 top loader case (43 x 24.4 x 34.1) cm, 2.95 kg, IP67, black
External receiving antenna (electromagnetic)	Optional	
External Geophone sensor	Optional	
External Headphone	Optional	

Individual components are available - contact us for details.

ORT-D3 ACCESSORIES

H0-136 External Electromagnetic Antenna

The external receiving antenna is an optional accessories used to improve the reception performance of an ORT-D3 Multi-Purpose Pig Locator. It is particularly suitable for strong interfering environment.

The electromagnetic antenna can only be used in conjunction with an ORT-D3 Multi-Purpose Pig Locator. The ORT-D3 Pig Locator is used for Pig Tracking or as a Pig Location or Above Ground Marker System and is designed for the pipeline industry.

The antenna is set to a reception frequency of 22 Hz (ULF) and replaces the internal antenna of the ORT-D3.

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