



MULTI PURPOSE PIG LOCATOR SYSTEM ORT-D3

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, head phone 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

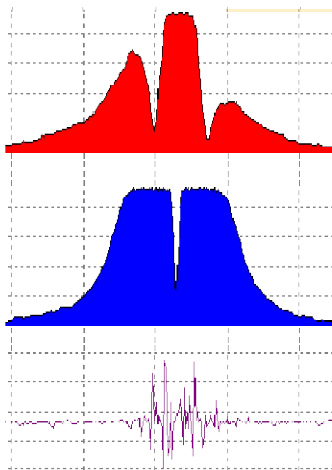


Geophone amplifier:

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

Software:

- Window7 compatible
- USB communication
- Time synchronisation
- Analyse of received data
- Customizable data export



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

Technical specifications:

Power source:	Alkaline cells	4 xIEC LR 20
Battery life:	Depending on operating mode (20°)	~200 hrs.
Power consumption:	Light off	~65 mA
	Light on	~85 mA
	GPS on	~110 mA
Display:	GPS active	~2000 mA peak
	LCD with backlight	320x240 pixel
	Conditions of operation:	-15°C to +70°C
Storage conditions:	Humidity	5% to 95% non-condensing
	Altitude	max. 4000 m
	Temperature range	-20°C to 85°C
Physical characteristics:	Humidity	5% to 95% non-condensing
	Altitude	max. 4000 m
	Weight without batteries	2,7 kg
Internal GSM module:	Weight with batteries	3,3 kg
	Dimension	22x15x8,5 cm
	Protection class	IP65 (according to EN 60529)
Internal GSM module EMC:	Mobile module with internal antenna	Quad mode: (850/900/1800/1900) MHz
EN 55022 Class B	FCC parts 15, 22 & 24 Class B	
Interface:	3GPP TS 51010-1, Section 12.2	
	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-03 internal antenna	7 m	80%
ORT-03 external antenna	17 m	190%
Ort-02 *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
	43x24,4x34,1 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.

Note: All technical data and illustrations are temporarily and can be changed without further note.