

Made  
in  
Germany

## ANTARES Mining / Groundwater / Scientific Applications

For mining operations, groundwater surveys or scientific applications ANTARES offers **All-In-One-Go Instruments**. Examples are the popular Multipurpose Instrument MPI (GR, SP, Resistivity and Temperature) or the Combined Flowmeter Tool CFT (Salinity, Pressure, Temperature and Flowmeter). A wide range of custom made winches complete the logging system.

### ANTARES Logging System

The complete logging sets comprise four components only: portable cable winch for up to 500 m cable, a surface panel incl. GeoBase logging software, ANTARES downhole instruments and rig-up equipment.



This convenient solution allows for operation in any type of deployment area.

**ANTARES can combine the sensors you need for your application.**

### Winch

The ANTARES portable winches are custom made, for up to 500 m of mono-conductor or 300 m of 4-conductor cable. The winch is equipped with an automatic spooling system that allows for one man operation.

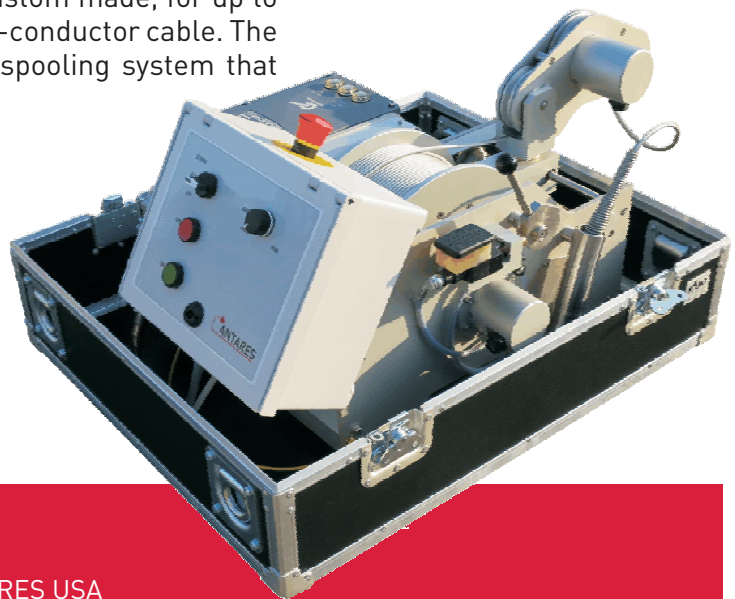
Infinitely variable speed from 0.5 to 18m/min and wire-engaged control unit round out the offering.

Together with rig-up equipment like tripod and sheave wheels, the logging can start.

### Standalone Logging Tools

ANTARES offers a comprehensive product line of standalone instruments. Some of the most common instruments are:

- ♦ GR Gamma Ray Instrument
- ♦ SGR Spectrum Gamma Ray
- ♦ MPI Multipurpose Instrument GR/SP/Resistivity/Temp
- ♦ CFT Combined Flowmeter Tool Salinity/Pres/Temp/Flow
- ♦ CST Combined Salinity Tool Salinity/Temp/GR
- ♦ 3-Arm and 4-Arm Caliper
- ♦ Flowmeter
- ♦ Sidewall Density
- ♦ Dual Detector Neutron
- ♦ Borehole Orientation
- ♦ Magnetic Susceptibility



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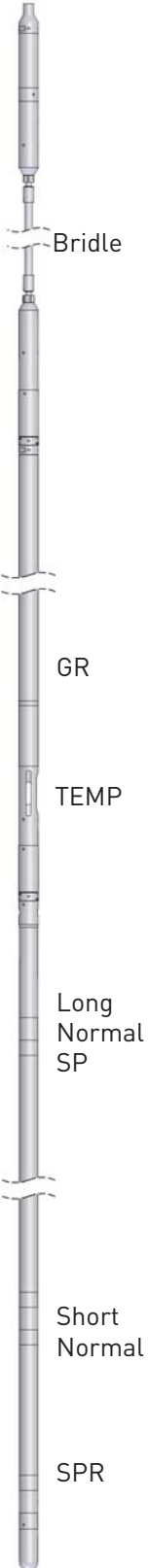
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## Multipurpose Instrument (MPI)

### Gamma Ray/Resistivity/Temperature



Diameter	42 mm	(1.65")
Length:	7,940 mm	(300")
Weight:	26 kg	(57 lbs)
Max. Temperature:	70 °C	(158° F)
Max. Pressure:	20 MPa	(2900 psi)
Cable Type:	4-conductor	
Data transmission:	digital	
Rec. Logging Speed:	10 m /min	
Sensors:	Gamma Ray Spontaneous Potential Resistivity: ES 16"/64" Temperature Single Point Resistivity	

### GeoBase Software

**Features:**

- ◆ User friendly and simple
- ◆ Software set-up guides the logging engineer
- ◆ Just 7 clicks and the data recording can start
- ◆ Plug and play system

## Combined Flowmeter Tool (CFT)

### Salinity/Pressure/Temperature/Flowmeter



Diameter	42,4 mm	(1.67")
Flowmeter:	45 mm and 90 mm	(1.77" and 3.54")
Length:	2718 m	(107")
Weight:	13.7 kg	30 lbs)
Max. Temperature:	70 °C	(158° F)
Max. Pressure:	20 MPa	(2900 psi)
Cable Type:	mono- or 4-conductor	
Data transmission:	digital	
Rec. Logging Speed:	10 m/min	
Sensors:	Temperature Flowmeter Pressure Conductivity	

### Surface Panel

The Interface Panel is the brain of the system. It is not only responsible for the data communication between the surface and the downhole instruments, it also processes the depth and tension data.

## SETS 2016

<p><b>Multi Purpose System</b>  <b>200 m Cable Winch</b>          incl. 4-conductor Cable,          Cable Head and Rig-Up Equipment          Surface System (Panel and Software)          MPI incl. Calibration Equipment</p>	<p><b>Combined Flowmeter System</b>  <b>300 m Cable Winch</b>          incl. mono-conductor Cable,          Cable Head and Rig-Up Equipment          Surface System (Panel and Software)          CFT incl. Calibration Equipment</p>
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Talk to us, ANTARES can manufacture the tools fit for your purpose.

ANTARES is continually updating and improving its high performance and quality logging system and for this reason the specifications are subject to change without prior notice.