

# ANDES

Model:SRDM-2SV

**Radio-Isotope Density-Moisture meter for soil**



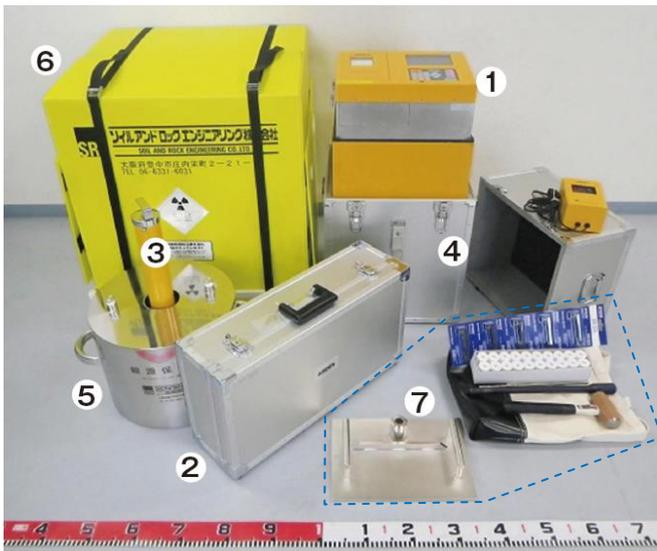
**SRE** Soil and Rock Engineering Co., Ltd.

# Compact body with superior function

ANDES is one of the most popular Radio-Isotope (Nuclear) density moisture meter in Japan.  
 ANDES is a device used to measure density and water content of soil.  
 You can obtain necessary and precise data immediately with ANDES.  
 In addition, you can easily carry ANDES because of ANDES's small size and light weight.

## ■ Features

- ◇ You can judge the state of the compaction quickly with ANDES.
- ◇ You can use ANDES in various soil.
- ◇ Speedy measuring in only 1 minute.
- ◇ Safety and ease because of low level radiation source.
- ◇ ANDES has a data communication function with an external personal computer.
- ◇ There is little unevenness of the measurement by human error.



## ■ Components

- The description of this leaflet is as of May 2018.
- Product specification may change.
- The color might differ because of the print.

For more information, quotations or just to say hello, please feel free to contact us.

## ■ Specification

Method	Density : Transmitted Gamma ray
	Moisture : Transmitted fast neutron ray
Range	Density : $\rho_t = 1.0 \sim 2.5 (\text{g/cm}^3)$
	Moisture : $\rho_m = 0 \sim 1.0 (\text{g/cm}^3)$
Depth	20cm
Sampling time	Standard box : 10min (BG 3 min)
	Field measurement : 1min (BG 1 min)
Radiation source	Sealed radiation source in stainless capsule
	$^{60}\text{Co}$ 2.59MBq (Density measurement)
	$^{252}\text{Cf}$ 1.11MBq (Moisture measurement)
Detector	Geiger-Mueller counter (for density measurement)
	$^3\text{He}$ proportional counter (for moisture measurement)
Temperature	0~50°C
Display	Liquid crystal display (115×86mm)
Recorder	Dot impact printer
	Internal memory (Up to 300 points)
Power Supply	Internal battery DC6V (Rechargeable type) (Continuous use for over 10 hour is possible)
Dimension	W340×D260×H145 (mm)
Weight	10.5 (kg)

① Instrument	
② Trunk case	
③ Radiation source rod (stored in container)	
④ Standard box	
⑤ Shield case for radiation source rod	
⑥ Container for transportation of Radiation source rod	
⑦. Accessories	Battery charger
	Iron plate for leveling
	Driving stick
	Hammer
	Printer paper
	Ink ribbon cassette for printer
	Carrying bag for accessories

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