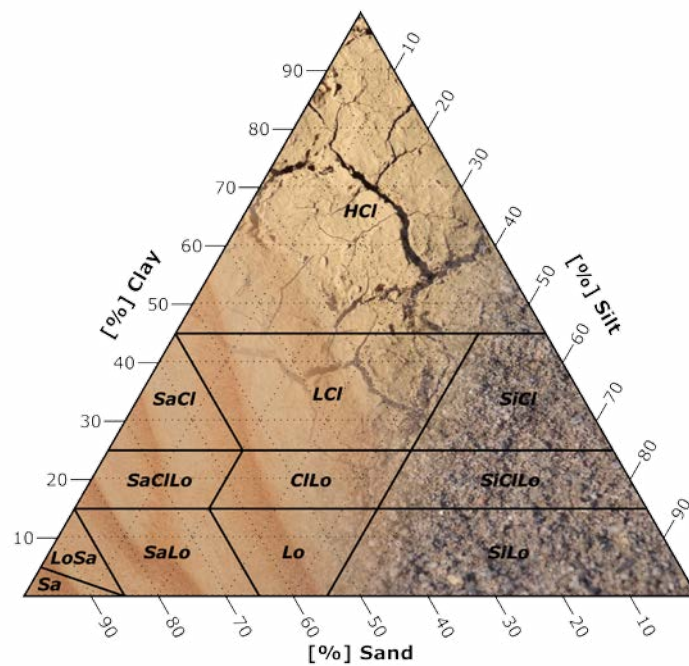


# RemScan®

## RemScan + Soil Texture App

Provides rapid and objective measurement of soil particle size distribution and the Soil Texture Class (IUSS)



# FEATURES AND BENEFITS

RemScan is a portable hand-held instrument for rapid measurement of soil texture and particle size distribution. The user simply pulls the trigger for measurement in less than 20 seconds. The data is recorded automatically on a tablet for easy download.

RemScan measures granulometry in terms of [%] Sand, [%] Silt & [%] Clay and the Texture Class according to the International Union of Soil Science (IUSS).

The **Soil Texture App** is one of a number of Apps for RemScan. Other Apps include TPH in Soil, Oil on Steel and Agriculture.

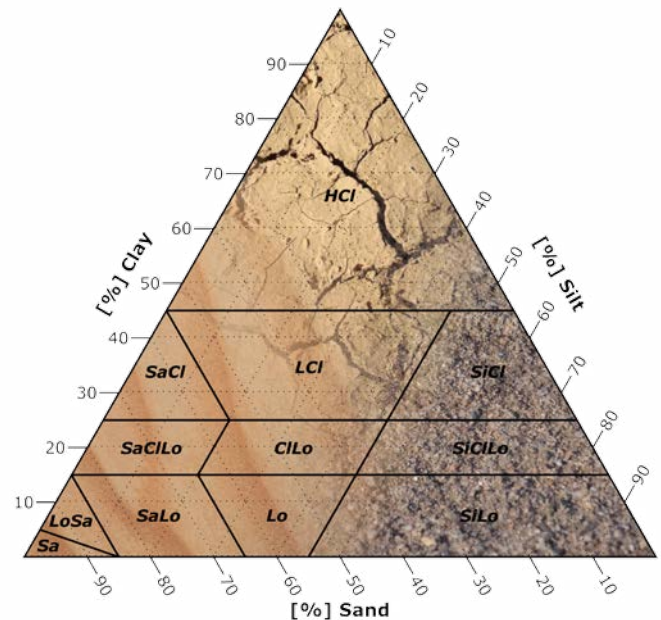


## Key Benefits

- Accurate and repeatable
- More data
- Make real-time decisions with confidence
- Minimal sample handling

## Key Features

- Measures soil particle size distribution and the Soil Texture Class (IUSS)
- Results in less than 20 seconds
- Accuracy comparable to laboratory ( $\pm 5\%$ )
- Direct infield measurement or in on-site lab
- Non destructive so sample can be remeasured or sent to laboratories
- Minimal sample preparation and manual handling
- Sample ID, GPS, depth, photo and notes logged with each measurement
- No special training
- No incremental costs
- No chemicals
- No licensing requirements
- Non-destructive



## SPECIFICATIONS

RemScan is a hand-held instrument for the rapid measurement of various parameters in soil, on metal and other substrates.

No other field instrument provides the same level of accuracy, repeatability and ease of use.

RemScan is a unique leading technology.

Measures Granulometry in terms of [%] Sand, [%] Silt, [%] Clay and the Texture Class according to the International Union of Soil Science (IUSS).

Easy to standardise in the field – 1 minute background cap, 1 minute reference cap (both are inert materials so no need to carry calibration gases or hazardous chemicals).

Results in less than 20 seconds.

Throughput - high rate of up to 120 measurements/hour can be achieved but typically about 60 measurements/hour.

Measures directly on the soil – no solvent extraction of the soil is required.

Minimal soil preparation required – requires a flat compacted soil face of around 10mm diameter (trowel and tamp normally sufficient) with an air dried surface.

Measures the soil surface only – anywhere you can collect a soil sample, you can take a scan (including along soil cores).

Truly portable and rugged – built for field use.

Intrinsic Safety - Not Intrinsically Safe (non-explosion proof).

Operated through a purpose-designed user interface on a Tablet.

Battery life – 8 hours for Tablet and 4 hours per battery for instrument (comes with 3 batteries) for full day field usage.

Data accessible as a .csv file

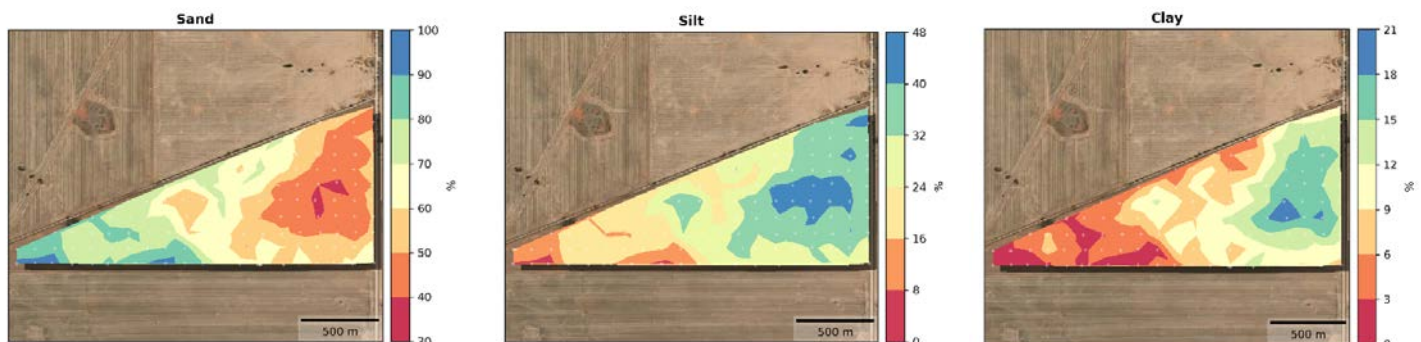
Operating temperature: 0 to 50 °C (32 to 120 °F).

Storage temperature: -25 to 75 °C (-13 to 167 °F).

Humidity: 95% non-condensing.

Power Supply: 100-240 VAC 47-63 Hz.

### GPS Labeled Data Enables Spatial Mapping



## SOFTWARE ADD-ONS

### TPH in Soil App

Measures TPH in soil and is used for oil spill assessment, delineation, remediation and monitoring.



### Oil on Metal App

RemScan measures the amount of oil on bare metal surfaces in tank cleaning and salvage operations.



## HARDWARE ACCESSORIES

### Bench Stand



The bench stand is useful when:

- Many samples are to be measured in a site hut (as opposed to in the field). This may be because the soil samples are very wet and need air drying in the hut or because conditions are too inhospitable in the field (too hot or too cold) for personnel to work for long periods.
- If RemScan is going to be recalibrated for different soil types.

### Field Tripod



The Field Tripod has been specifically designed to free-hold the RemScan Tablet.

It is lightweight and fully adjustable.

Specifically designed for field use, but can be utilised in any work environment.

### Backpack



This is used to transport RemScan around the field and enables operator to carry RemScan around a large site. It has cut-outs for all equipment that may be required in the field.

### Portable Drying Unit



Used for rapid in-field drying of samples and can dry 35 samples at a time within a maximum time period of 30 minutes. Supplied with all accessories. Extra accessories for higher throughput available upon request.