RemScan®

RemScan + Oil on Metal App

Measures the amount of oil on bare metal surfaces in tank cleaning and salvage operations

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FEATURES AND BENEFITS

RemScan is a portable hand-held instrument for rapid measurement of oil in metal surfaces. The user simply pulls the trigger for an accurate measurement in less than 20 seconds. The data is recorded automatically on a tablet for easy download.

RemScan is used for measuring cleanliness of storage tanks and during salvage operations.

RemScan can be used *in-situ* to measure directly in the field, or *ex-situ* in a site hut or lab.

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

Key Benefits

- Accurate and repeatable
- More data
- Make real-time decisions with confidence
- Accelerate project closure

Key Features

- Quantifies surface coverage in mg/m^2
- Accuracy comparable to laboratory
- Results in less than 20 seconds
- Measure a single spot or average over an entire surface
- Immediate and reliable results
- Direct infield measurement or in on-site lab
- Sample ID, GPS, depth, photo and notes logged with each measurement
- No incremental cost - Minimise laboratory costs
- No solvents, wipes or lab analysis necessary
- 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.

RemScan is a unique leading technology.

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

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 metallic surfaces – no solvent or wiping is required.

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 wireless Tablet.

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

Data accessible as a .csv file.

Detection limit typically 10 mg/m^2 oil coverage (at one standard deviation).

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.

Wavelength/Wavenumber range: 2.2 µm to 4 µm (4500 cm^{-1} to 2500 cm^{-1}).

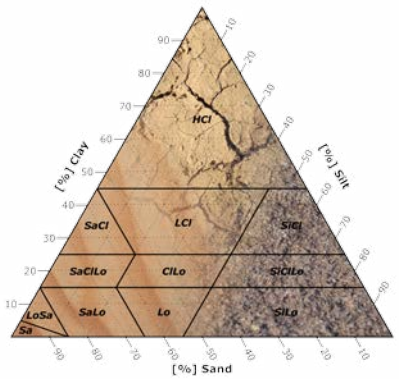
SOFTWARE ADD-ONS

TPH in Soil App

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

Soil Texture App

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



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.