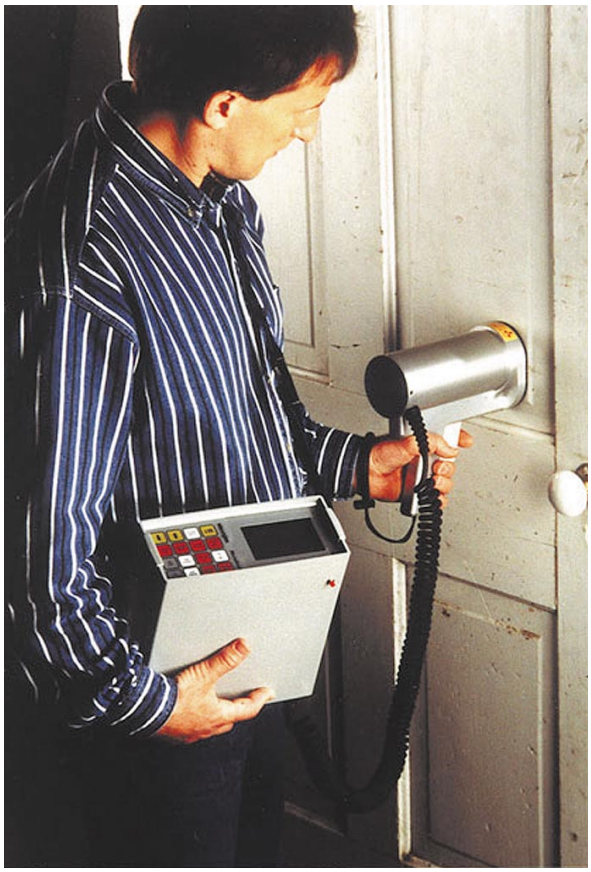
MICROLEAD I

A PORTABLE ANALYTICAL INSTRUMENT FOR USE IN THE TESTING OF LEAD IN PAINT ON THE HOUSING

WARRINGTON TYPE MICROLEAD I

*The WARRINGTON **Microlead I** is a X Ray Fluorescence analyser specially engineered to perform non destructive measurements of lead concentrations of in situ dry paint films under 20 seconds.*
The measurement does not require any taking of paint and laboratory analysis.
*The **Microlead I** is used by public housing authorities, health departments and private inspection companies for risk assessments to determine existing lead based paint hazards.*



Fast measurement of lead concentration in a door with Microlead 1

INSTRUMENT DESCRIPTION

PROBE

- Compact probe connected to the electronics module slung across the shoulder
- Weight : 1,5 kg
- Trigger padlocked
- Tight locations needed 82 x 114 mm (to 10 x 80 mm)

ELECTRONICS MODULE

- Digital backlit LCD
- Alphanumeric keyboard
- Weight : 3,4 kg

ACCESSORIES :

- AC charger
- Testing background materials : gypsum, wood, concrete
- Traceable lead standard
- Carrying case
- Computer interface (option)
- Print interface (option)

MICROLEAD 1

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TECHNICAL SPECIFICATIONS

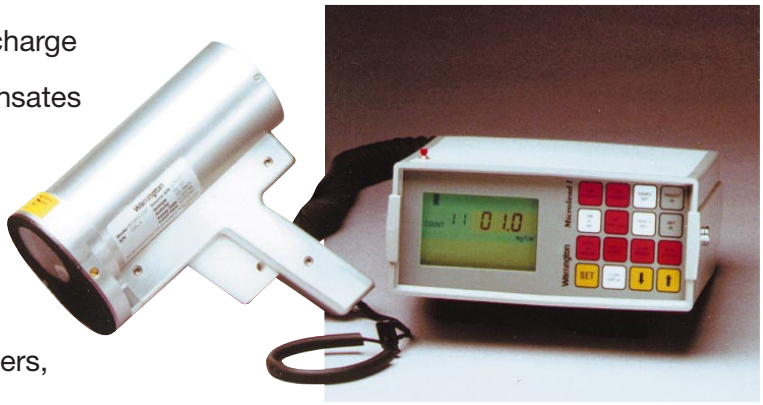
Type of analysis	:	The microcomputer software analyzes the complete signal spectrum to determine the substrate correction facto : The analyser uses high resolution X ray filters to resolve the lead component of spectrum.
Measurement range	:	0,0 to 100,0 mg/cm² in increments of 0,1 mg/cm²
Power of penetration	:	95% penetrating through 30 layers
Time of the measurement	:	15 to 20 seconds (with new source)
Precision	:	+/- 0,3 mg/cm² or better on a single read cycle (sample time of 15 seconds).
Precision after 3 read cycles	:	+/- 0,1 mg/cm² or better.

DATA DISPLAYED

- substrate density
- concentration of lead in mg/cm²
- number of measurements
- indicator of discharge.

OTHER FEATURES

- The Microlead I has a 8-10 hours charge
- The analyser automatically compensates for natural decay of its cobalt 57 source to ensure accurate readings through the entire life of the source
- The analyser stores the following informations in memory : up to 1000 readings, project numbers, unit numbers, times, and dates, which can be retrieved and printed on a computer. The analyser is capable of printing out all stored information in a comprehensive report format.



CE *Agreement*

SOUND ALARMS

When :
- the substrate has an other density
- the probe is moved during a reading
- the read cycle is finished
- an other XRF analyser is present nearby

2, avenue Ernest Renan
FR-94134 Fontenay sous Bois Cedex
Tél. +33 (0)1 48 75 82 82
Fax +33 (0)1 43 94 07 21
E mail : arelcoarc@arelco.fr
Site web : www.arelco.fr