SIMPALAB

DIRT LABORATORY ANALYSER

ACCURATE MEASUREMENT OF INK, DIRT, SHIVES AND STICKIES

SIMPALAB is a laboratory sensor dedicated to an accurate dirt counting on:

- a sheet of paper (by reflected light)
- a handsheet (by reflected or transmitted* light)

A RELIABLE and POWERFUL TOOL

Quick measurement and calculation (less than 10 minutes needed for a 10 samples range).

Calibration of the measuring system according to the EFPG standard (CEN/TC 172).



PC + scanner

Image: Section of the sectio	- Shives, Stickies
Ender Lots Area 3 112 5 112 6 Block Lots Area 3 112 18 135 18 buchettes 37 18 18 73 100 Effacer la page courante F Somme 0.010 / 0.040 0.400 / 1.50 0.400 / 1.000 1.000 / 5.000 5.000 / Somme Erreur Bock Lots Area 3 106 6 115 11 Bock Lots Area 3 106 6 1175 11	In Achandilon : ersonal Field 1 ersonal Field 2 ersonal Field 3 ersonal Field 4 Prawetries anule : techopp Tense in tense Promese
innovation for paper	March drag 100 100 100 0.00

TECHPAP SAS

CS 90251 - 38044 Grenoble cedex 9 Tél. +33 (0)4 76 51 74 75 - Fax +33 (0)4 76 42 05 04 www.techpap.com - techinfo@techpap.com

SIMPALAB

MEETS ALL THE CRITERIA OF THE DIRT CALCULATION STANDARDS

The adjustment of the future ISO standard with regard to dirt counting has exposed some flows in existing counting equipment. Samples of paper recently tested with 6 different pieces of equipment gave widely varying results

(see table here under : 5 samples A, B, C, D and E have been tested with 6 well known classical dirt counters available on the market). The standard imposes a set of recommendations aiming at avoiding any fluctuation due to measurement equipment. The standard stipulates among others :

- Sampling management and information about the validity and relevance of the measurement.

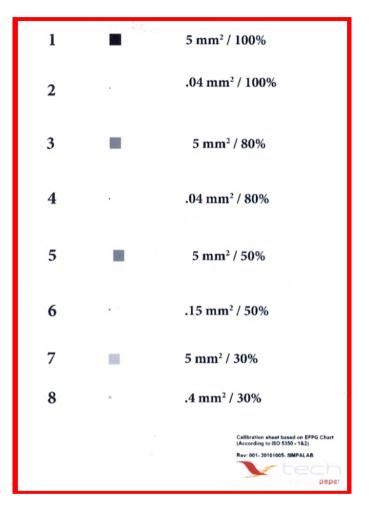
- Individual examination of the calculated points must be possible.

- Calibration of the system via the EFPG chart.

- The detection contrast must vary with regard to the area of detected spots.

The detection contrast must be compared to the local contrast of the spot (1 cm ring around the spot).

ALL THESE PARAMETERS ARE INTEGRATED IN SIMPALAB.



CERTIFIED & TRACEABLE STANDARD CALIBRATION CHART

TECHNICAL CHARACTERISTICS OF THE SIMPALAB

Resolution Number of classes Sampling

Detected spots (colour) Detected spots (shape) Results display

Data exporting Software and operating system 400 dpi (63 microns) 11 entirely configurable Minimum number of spots to validate the trial or minimum analysed area Black, grey, white Shives, spots In mm² / m², number / m², ppm, inch² / inch², number / inch², a.s.o. Possible display in EBA (Equivalent Black Area of each spot) .txt defined format Software running under WINDOWS

