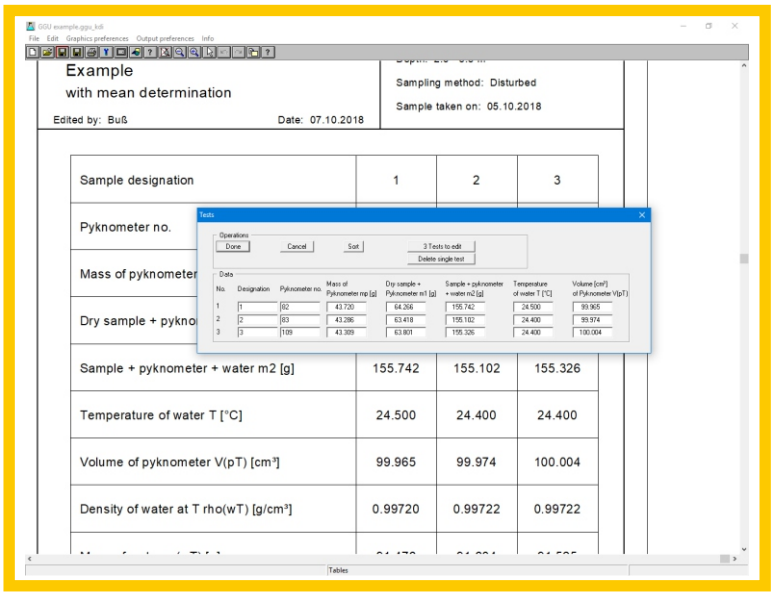
Program details

ARTICLE NUMBER
ggu-04-020

OPERATING SYSTEM
Windows 7/8/10

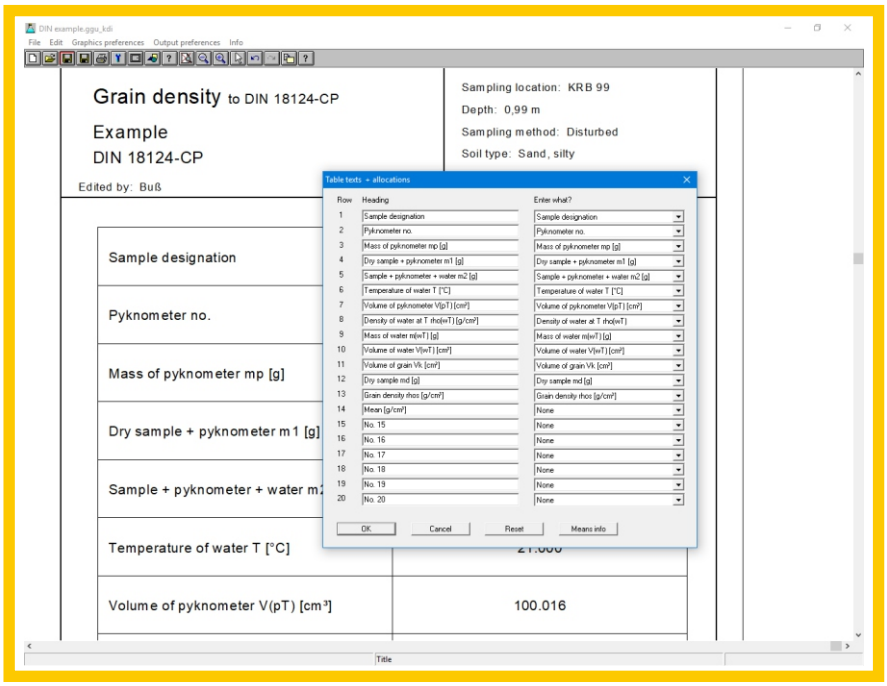


Description

GGU-GRAIN-DENISTY *– Evaluation and visualisation of tests to determine grain density using the German Standard DIN 18124 method with a capillary pyknometer (CP).*

Capabilities:

- *Input of max. 24 individual tests*
- *Table design using number of tests (definable number of tables and columns)*
- *Up to 20 rows per table with user-definable texts or using data determined by the program*
- *Mean determination for each table*
- *User-designed output sheet*
- *Print or copy screen sections, e.g. for transfer to a word processor*
- *Integrated Mini-CAD system for additional annotation of graphics*



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Report: 999.9
Annex: 9.9

Grain density to DIN 18124 - CP

Example

DIN 18124-CP

Edited by: Buß Date: 25.09.2009

Sampling location: KRB 99
Depth: 0,99 m
Sampling method: Disturbed
Soil type: Sand, silty
Sample taken on: 14.09.2009

Sample designation	1
Pyknometer no.	100
Mass of pyknometer mp [g]	51.838
Dry sample + pyknometer m1 [g]	71.462
Sample + pyknometer + water m2 [g]	163.901
Temperature of water T [°C]	21.000
Volume of pyknometer V(pT) [cm³]	100.016
Density of water at T rho(wT) [g/cm³]	0.99802
Mass of water m(wT) [g]	92.439
Volume of water V(wT) [cm³]	92.622
Volume of grain Vk [cm³]	7.394
Dry sample md [g]	19.624
Grain density rhos [g/cm³]	2.654