

Ranger 7000 Sieving Analysis Mode

Ohaus Ranger 7000 Compact Bench Scales now feature an exclusive new operating mode for Sieve Analysis. This application quickly calculates distributions for particle size analysis, enhancing lab efficiency and minimizing recording errors.

After a set of sieves is set up in the Ranger 7000's library, operation in the Sieve Analysis Mode quickly weighs the contents of each sieve fraction and computes percent retained and passed, along with any weight lost during the process. The end result is displayed on the Ranger's bright QVGA display, and can be sent to the OBA-44 printer, for ticket printing or to a PC for integration into a data management system. The Ranger 7000 will also compute Fineness Modulus, and provides cumulative percent retained for each particle size.

Fully customizable print templates allow printed display of information like company name, address, phone number, website, and contact email, as well as GMP/GLP data for date, time, user ID, project ID, Scale ID, and a unique Sample ID. The Ranger 7000 supports full capture of scale settings and data via the included USB port, and can support a range of printers and bar code scanners.

```
Sample Tag#: 12345
DATA
Start Weight: 1271.9 g
Size      Measured Weight
25mm          169.9 g
12.5mm       715.9 g
6.3mm        246.9 g
Pan           138.2 g
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Weight Lost:      1.0 g
End Weight:      1270.9 g
ANALYSIS
Size  Retained  Passed
25mm   13.37%   86.63%
12.5mm 56.33%   30.30%
6.3mm  19.43%   10.87%
Pan    10.87%    0.00%
Size  Acc % retained
25mm          13.37%
12.5mm       69.70%
6.3mm        89.13%
Pan           ---
Fineness Modulus: 1.72
```

Sample print-out from OBA-44 Impact Printer