

DISTROMET LTD
P.O.BOX 209
CH-4020 BASEL
SWITZERLAND

DISTROMET LTD

SENSOR CALIBRATION

Date: 3 January 2014

Sensor RD-80 S/N: 3020214

Sensor calibration using water drops with a fall velocity
of 96% of the terminal fall velocity

The diameter of the drops is:

0.881 mm (+/- 0.5 %)

The number of drops measured is:

919

The average drop diameter measured by the disdrometer
using the standard sensor characteristic is:

0.871 mm (+/- 1 %)

The error of the sensor considering the actual fall velocity
of the drops is:

+ 0.9 % (+/- 1 %)

The standard deviation of the distribution of measured
diameters is :

1.8 %

291 01100008

Distromet LTD



H. Meier

DISTROMET LTD

Calibration Document for Processor RD-80

Serial No: 3020214

Customer:

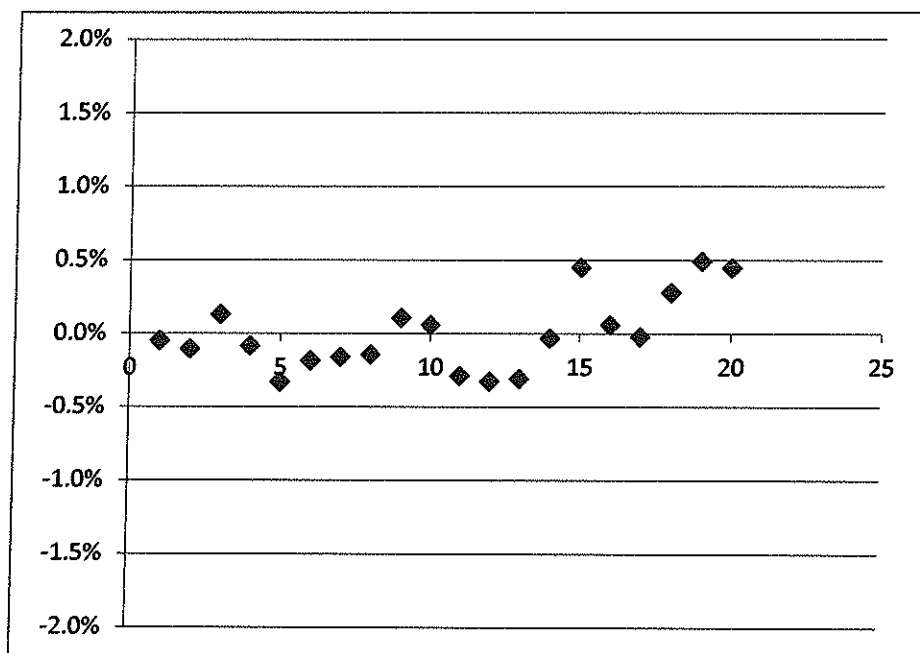
Drop diameter at the RD-80 channel thresholds using the standard transducer characteristic.

Channel	Standard drop diameter lower threshold	measured drop diameter	Error
	mm	mm	%
1	0.313	0.313	-0.05%
2	0.405	0.405	-0.10%
3	0.505	0.506	0.13%
4	0.596	0.595	-0.08%
5	0.715	0.713	-0.33%
6	0.827	0.825	-0.18%
7	0.999	0.997	-0.16%
8	1.232	1.230	-0.14%
9	1.429	1.431	0.11%
10	1.582	1.583	0.06%
11	1.748	1.743	-0.29%
12	2.077	2.070	-0.32%
13	2.441	2.434	-0.31%
14	2.727	2.726	-0.03%
15	3.011	3.025	0.45%
16	3.385	3.387	0.06%
17	3.704	3.703	-0.02%
18	4.127	4.139	0.28%
19	4.573	4.595	0.49%
20	5.145	5.168	0.45%

W. Wirz

Date:
27.8.2012

Cal. ID:
01100008



Klasse	ERR %
1	-0.05%
2	-0.10%
3	0.13%
4	-0.08%
5	-0.33%
6	-0.18%
7	-0.16%
8	-0.14%
9	0.11%
10	0.06%
11	-0.29%
12	-0.32%
13	-0.31%
14	-0.03%
15	0.45%
16	0.06%
17	-0.02%
18	0.28%
19	0.49%
20	0.45%