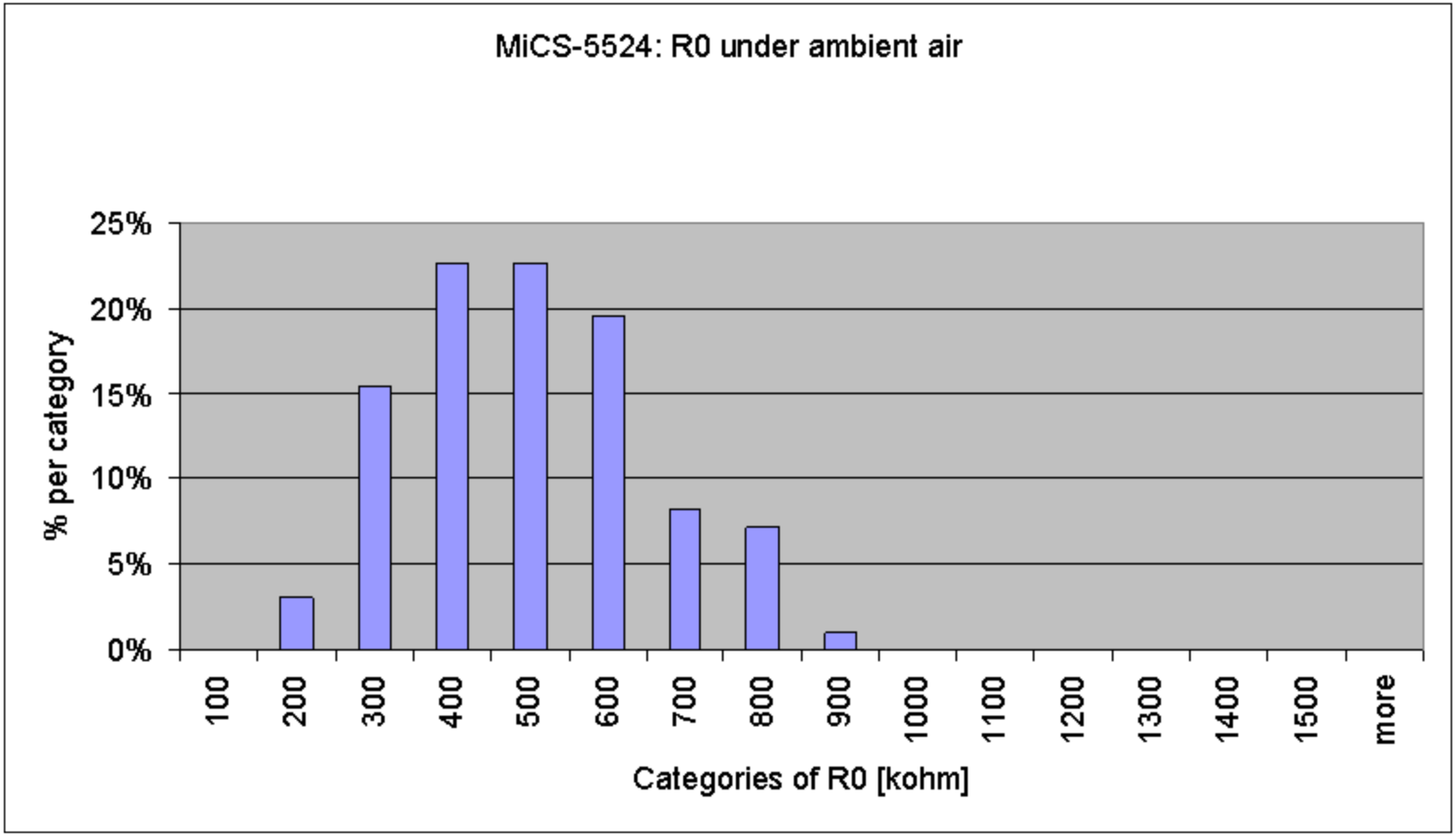
Subject: MiCS-5524 and the MiCS-2710/2714 sensors
Date: Tue, 3 Jul 2012 10:58:58 +0200
From: Céline Beluche
To:
CC:

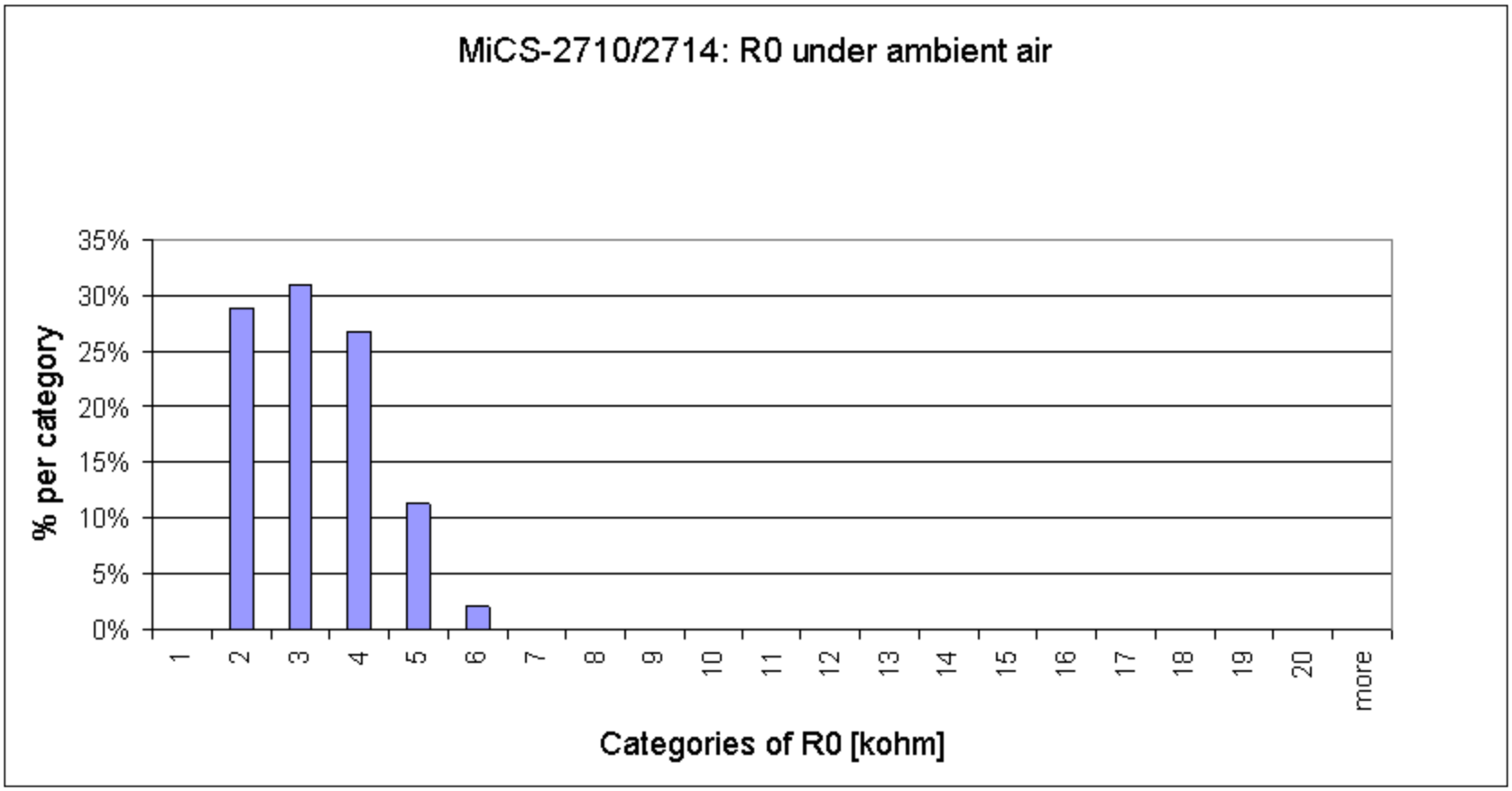
Dear Neil,

Please find below the typical spread of R0 (under ambient air), for the MiCS-5524 and the MiCS-2710/2714 sensors. The values are lower and the spread also is lower in these conditions compared to the EOL test conditions (i.e. in a different test bench, with synthetic air, at 23+/-5°C and 50+/-10% RH).

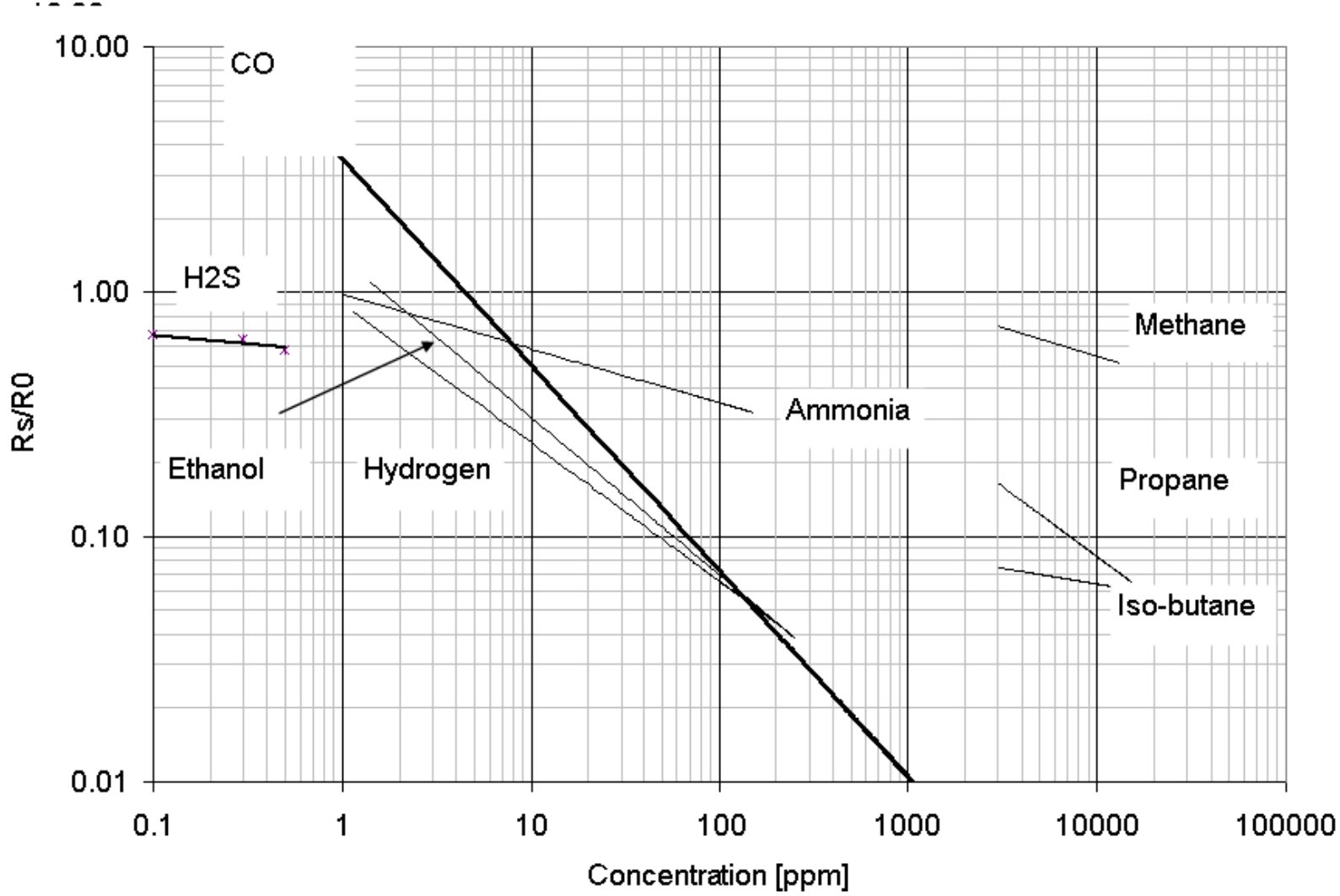
The resistance level R0 and the sensitivity are not correlated: a low R0 doesn't mean a low sensitivity.

Best regards,
Dr. Céline Beluche
Product Manager
Microchemical Systems SA

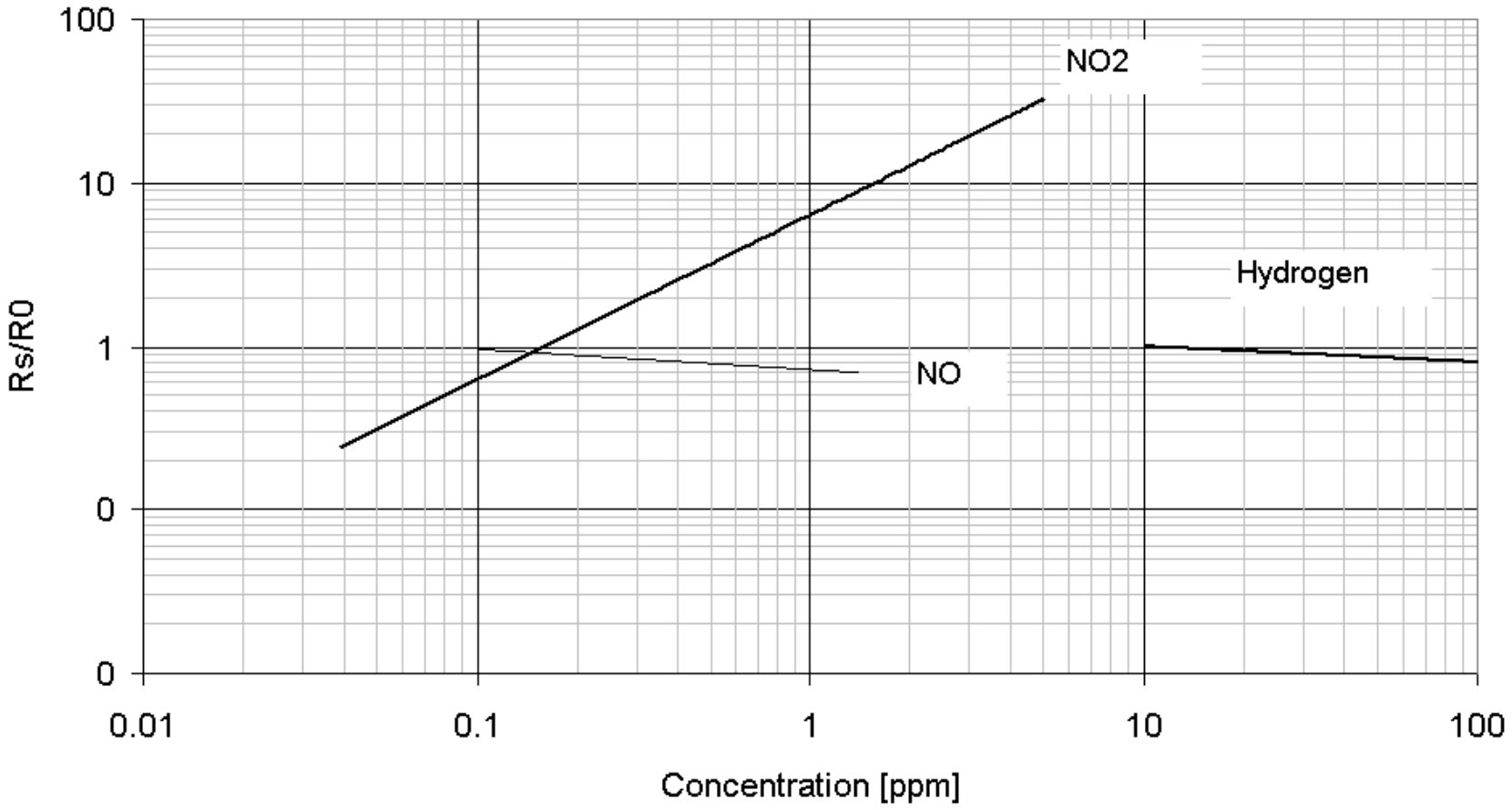

MiCS-5524: R0 under ambient air
% per category
25%
20%
15%
10%
5%
0%
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
more
Categories of R0 [kohm]


MiCS-2710/2714: R0 under ambient air
% per category
35%
30%
25%
20%
15%
10%
5%
0%
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
more
Categories of R0 [kohm]

Characterization curves for the sensors for the MiCS-5524 sensor (similar to the MiCS-5525, only the packaging is different: no charcoal filter for the MiCS-5524).



And for the MiCS-2710/2714:



Don’t hesitate to contact me if you have any further question.
Best regards,
Dr. Céline Beluche