



Internal ref: ICON/LET/0005/PB
FCC ID: PBKMS010114

Lund 04/05/2006

These are the changes on Precise 250MC, MS 010 114, between revisions P1B and R1B:

<u>Action:</u>	<u>Reason for change:</u>	<u>Changes on PCB:</u>
Added a guard routing connected to GND around the USB-DP and USB-DM signals on layer 2 & 5.	Reduction of EMC-emissions.	Yes
R33 was changed to 470k and R15 was mounted.	Improved ESD immunity.	No
C2 and C3 were changed to 22pF.	Better X-tal stability.	No
C49 was mounted.	By mistake, this capacitor was not mounted in earlier revisions.	No
A BAT760 diode, D8, was added in series with VCCB of IC10. C51 were mounted on the cathode side, close to the case of IC10.	Better sensor performance when supply voltage to the I/F circuit is lower.	Yes
R22, 0 ohms, was mounted.	Configuration input pin for new PCB revision.	No
The USB-connector was moved approx 10mm to the "south west" and rotated 90 deg CCW in order to make space for an optional connector J5. R15 was placed close to J5.	Optional reduction of EMC-emissions, currently not used.	Yes
L1 and R25 (not mounted) were removed.	These were never used.	Yes
L2, C54, C55-59 are not mounted.	These components were not used even when mounted.	No
R39 and R45 are mounted.	Normally not used but will make troubleshooting easier.	No

The components below are mounted in different positions depending on product type, (<001>=250MC, <010>=200MC) - This is also the difference between ATCB 3285 and ATCB3286.

Marked <001>: R50, D7, T14, R69, R70, D2, T4, R5, R42

Marked <010>: R48, D6, T13, R61, R64, D4, T8, R35, R43

Marked <0xx>: D3

Regards,
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