

Metal detection only

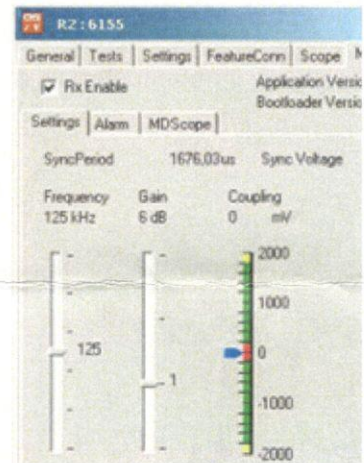
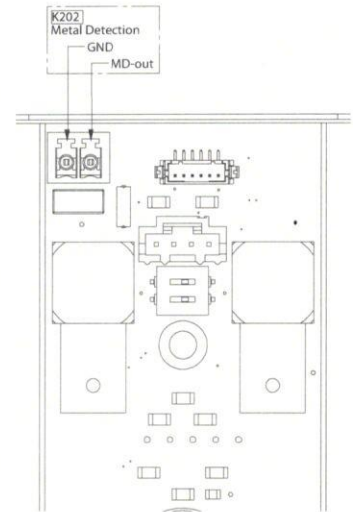
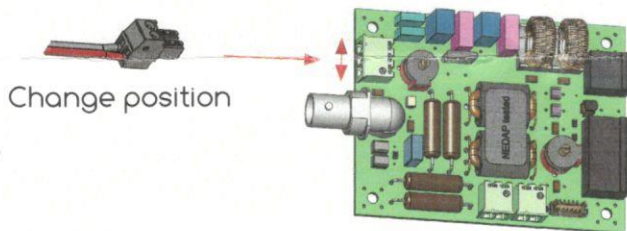
Due to a temporarily problem with availability of a component the connector K202 is mounted 180 degrees turned.

Due to this turning of the connector (K202), the field of the metal detection is also 180 degrees fase shifted.

This might be an issue during the adjustment of the system. During this adjustment you have to check the coupling of the metal detection. This must be between the 200 and 2000 mV (see picture).

This is only an issue when you have a MD-transmitter on both sides of a MD-receiver and the field of the both MD-transmitters is in counter fase.

The solution is to change the fase with changing the position of the MD connection on the 50-ohm board.



Coupling in green area.

8.2.7 COUPLING

The measured direct coupling at the receiver Mixer (Vtop). The direct coupling has to be 200mV minimal. When the coupling is less than 200mV the Phase correction integrator does not function properly. The receiver will be blocked by the software and generate no alarms.

For more information about metal detection see XQ-mk2 documentation on the portal.

nedap
R E T A I L

GROENLO - HOLLAND

DRW: CB 2010/10/29

CHK:

DESCRIPTION:

QUICK REF. TEMP. ALTERATION : SET UNIT XQ-T2 - UNIVERSAL | art no. 8018464

DOC. ARTICLE NO: 5277922

REV. : A

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SHEET: 45.01 OF 1

DRAWING: T5277-922