

Integration manual for the wireless roast probe system

1 General

This document describes the requirements for the oven when installing the wireless roast probe system.

The wireless roast probe system consists of the electronic (EPI7674), antenna system and the wireless roast probe. The wireless roast probe will be here not describe because it is a passive device and does not matter for the installation of the system.

The wireless roast probe system may only be installed due to the identical antenna system in the Miele & Cie. KG ovens with 36 inch, 30 inch und 70 cm cooking cavity. The certified Module, see picture below, will only be installed by Grantee Miele.



Picture 1: label of the module

2 Electronic EPI7674:

2.1 Position of the EPI7674 on the control-/ power electronic of the oven

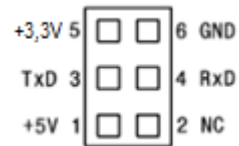


Picture 2: Position of the EPI

- Fixing of the EPI7674 carried out by latching the housing of the control-/ power electronic with a spacer. For better alignment during assembly, a round plastic dome of the control- / power electronic is next to the connector for the antenna cable.
- The distance between two electronics is ensured by the housing of the control-/ power electronic and is approximately 7 mm.

2.2 Interface to the control-/ power electronic

On the control-/ power electronic is a six pin stripe with the following pin assignment



On the EPI is a female connector for the contact with the interface. The power supply (3.3 V DC +/- 5 %) for the EPI comes from constant-voltage source of the control electronic.

2.3 Antenna conector

Jack straight PCB MCX 50 Ohm.

3 Antenna system

The antenna system includes the rod antenna with the coupling plate and the rear wall of the oven. The rear wall is capacitive coupled to the rod antenna. All together generates the electric field in the cavity and a certain directivity of the radiation.



Picture 3: rod antenna with the coupling plate, mcx-connector



Picture 4: rod antenna with the coupling plate installed in the cavity



Picture 5: rear wall coupled to the rod antenna

4 Manual Statements

The manual or instruction manual should include the following statements in English and France:

- changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This oven complies with Industry Canada licence-exempt RSS standard(s) and part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

5 Label

The FCC and IC identifier must be displayed on the device label in this way:
contains: FCC-ID: SSVNAEPI01 ; IC: 5669B-NAEPI01