

# **Technical Description**

**Hilti GX 120**

1.	TECHNICAL DESCRIPTION.....	2
2.	BLOCK DIAGRAM.....	4
3.	GEOMETRY OF PCB.....	5
4.	IMPORTANT REQUEST:.....	5
5.	LABEL:.....	6

## 1. Technical Description

The reader is used in a gas can driven direct fastener tool for metal nails.

It is mounted inside of the tool and communicate with special transponders which are fitted at the gas cans.

It controls the use of the correct gas can for the tool and also it show the user the remaining gas level inside the can by 5 LED's. This is possible, by writing the actual needed gas consumption into the transponder during working after each shot.

The reader is working together with a second electronic which controls the gas growd and generate the ignition puls for the spark plug.

The communication to the transponder is working with a 125kHz field.

Here you can see the the RFID reader fitted in it's housing:

