

FELDER-ISO-Tin® - Lead-free, „High-Ge”

High Ge-stabilised electronic solder for wave and selective soldering units

FELDER-ISO-Tin® - Lead-free „High-Ge”
according to Fuji-Pat.-No. DE19816671C2, US6179.935, JP3296289

Sn100Ni+ High-Ge, Art.-Nr.: 551293....
Sn99Ag+ High-Ge, Art.-Nr.: 551280....
Sn98Ag+ High-Ge, Art.-Nr.: 551271....
Sn96Ag+ High-Ge, Art.-Nr.: 551275....

Application

The oxide reducing effect of germanium (Ge) in the FELDER NiGe solder is also associated with a usage of this element during the soldering process. The ideal Ge-content at the solder bath ought to be between 0,008% and 0,015%. By the addition of Ge-concentrate, the consumption will be balanced, but this demands additional “care effort”.

From our experiences which we win together with our customers, a higher average Ge-consumption has resulted as adopted at first.

The application of a high germanium stabilised solder is **not basically** necessary, because the Ge-usage is highly addicted to the used solder technology. Solder temperature, additional application of inert gas or cover oil and certainly also the throughput of the machine are facts which effects the requirement of Ge.

Out of the free of charge service analysis for our customers, we could affect an average Ge-content through the individual Ge-consumption data. After a conscience test phase we are able offer this to our customers.

Characteristics

The specific characteristics of the several NiGe-alloys are mentioned in the corresponding product information of the several solder. It is a question of refill solder, the physical characteristics are exclusively to view in the correct proportion of mixture in the solder bath volume.

Delivery

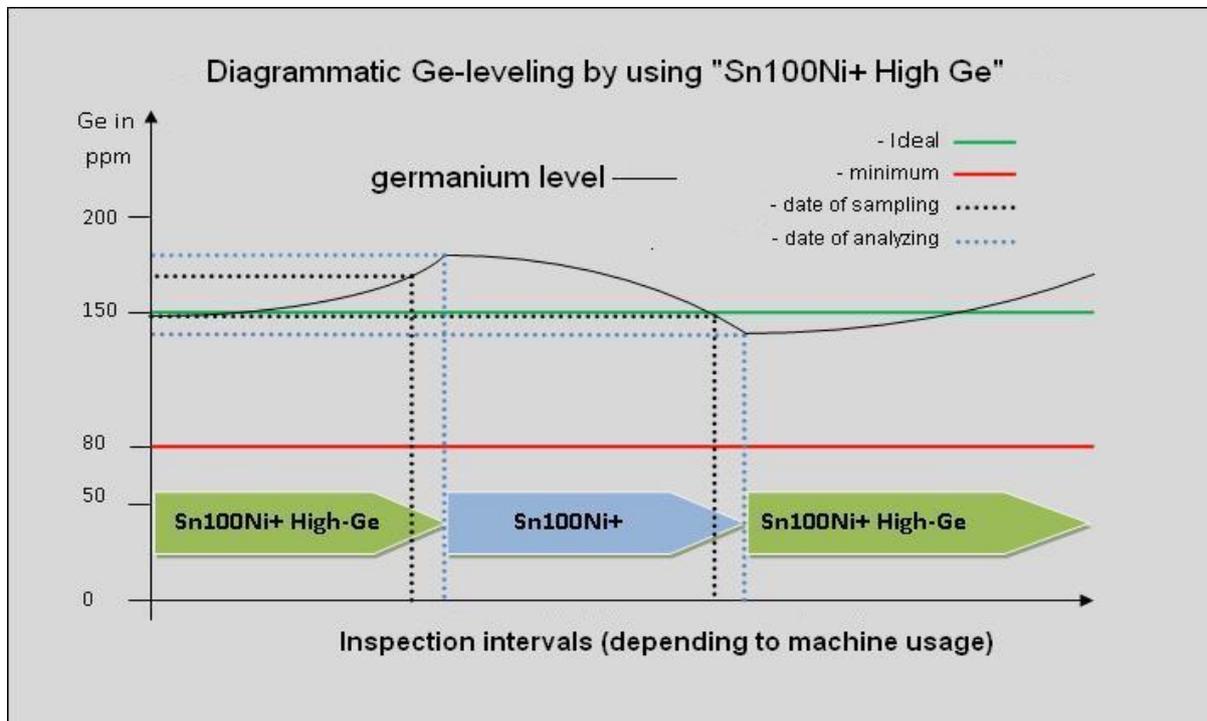
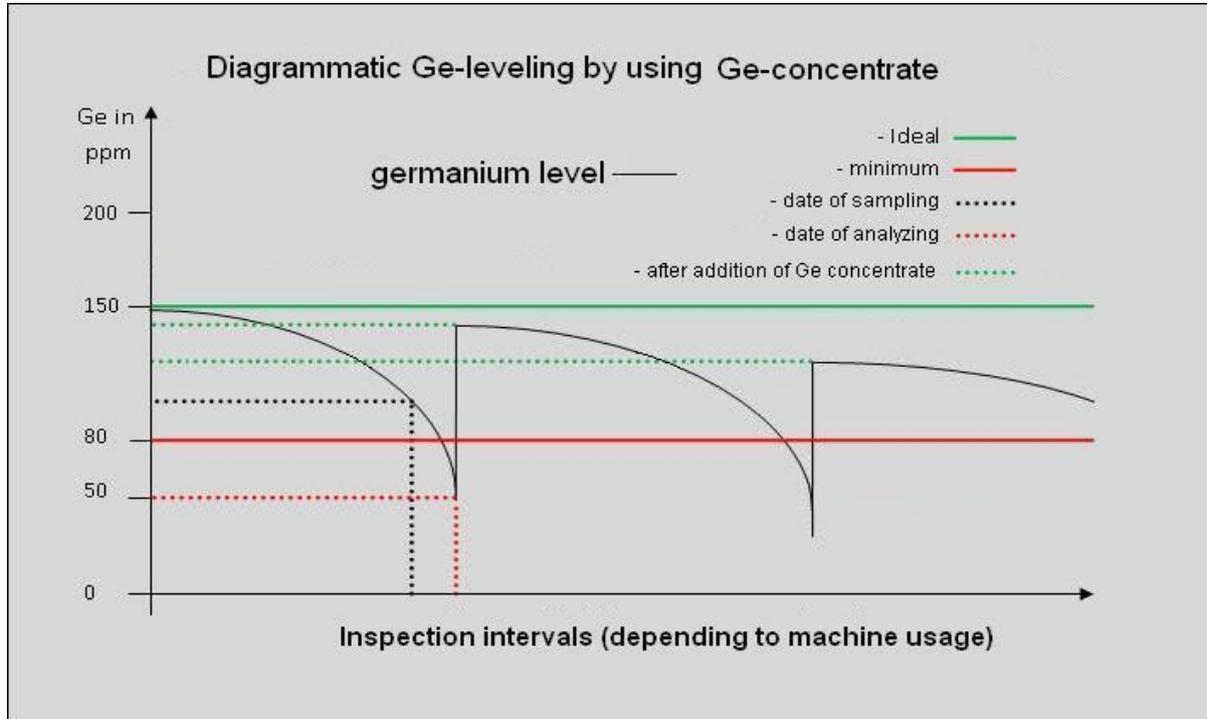
The delivery form is mentioned in the product information of the standard NiGe solders.

Advice

Other alloys are included in our standard delivery programme.

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Effect of “High-Ge” using example of FELDER-ISO-Tin®- Sn100Ni+



All information about our products are the result of our long standing experience, which we would like to pass on to our customers. Since we do not have any influence on the application with our products, please see the warranty claims in our conditions of sale because our liability is limited.