





# **Specification**

Ultrasonic power is optimized for *Ultrasonic output power* 

ultrasonic flip-chip die bond applications: maximum power depends on impedance of the

ultrasonic transducer:

max. output voltage 39 V<sub>rms</sub>

(typ. 40 Watts at 38 Ohms transducer impedance)

(more power at customer request possible)

30 kHz to 150 kHz frequency range

Full metal housing Housing

height: approx. 75 mm / 3 inch (with rubber feet)

width: 253 mm / 9.96 inch depth: 250 mm / 9.84 inch

weight: approx. 6.7 kg / 14.8 pounds

Power supply Integrated AC power supply

configurable 115/230 VAC, 50/60 Hz max. 250 VA power consumption

> DSUB25m Transducer connector

**LED**s: all voltages + ready, bond, scan and error User interface

test button for ultrasonic (front panel) On/Off switch (rear panel)

Fuse (rear panel)

Open communication protocol for setup of the UUG-040 and status/diagnosis

# **Ultrasonic power input**

Digital power input Power input selection 8 bit parallel

low active

Flat ribbon cable connector (rear panel)

### **Bond time control**

Automatic bond signal creation Automatic trigger

from 8 bit parallel power input

Flat ribbon cable connector Bond power connector

### Serial Interface

RS232 Type

DSUB9m (rear panel) Connector

19200 Baud, 1 start bit. 8 data bits, Data rate

1 stop bit, no parity

Fixed telegram length with CRC Data format

Null modem cable (3 wire, RxD, TxD, GND) cable

## **Options**

PC host software for setup and diagnosis (for MS-Windows 2000 / XP)

Data output during bond process or internal data sampling during bond process and output after finishing bond process

F&K reserves the right to change these specification without notice. DS202030307A