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AUSTRALIA

# ELECTROFUSION CONTROL BOX SPECIFICATIONS

# SMARTFUSE 180

Lightest and smallest SmartFuse control box.

Entry-level electrofusion welding machine designed to weld **PLASSON** fittings up to 180mm.



- ✓ Welds PLASSON fittings up to 180mm
- ✓ Light < 14kg
- ✓ Compact (470 x 370 x 180mm)
- ✓ Bluetooth
- ✓ Use SmartFuse App to automatically determine and record welding parameters
- ✓ 10 amp plug
- ✓ Tough weather-proof carry case
- ✓ Able to weld non-Plasson fittings using app with credit accumulated system

## Generator Requirements

| Dimension range of fittings | Generator output power                                                 |
|-----------------------------|------------------------------------------------------------------------|
| 20 to 240 seconds           | 3.2kW                                                                  |
| 300 to 400 seconds          | 4.5 kW (mechanically controlled)<br>5.0 kW (electronically controlled) |
| Extension cord              | Conductor cross-section                                                |
| Up to 30 m                  | 3 x 1.5 mm <sup>2</sup>                                                |
| Up to 50 m                  | 3 x 2.5 mm <sup>2</sup>                                                |

**PLASSON Australia Code** 2001026

**Dimension range** Dedicated for Plasson fittings up to 180mm (sizes above 100mm require cool down time between welds)

**Data recording** USB approximately 1000 records  
Bluetooth / cloud

**Dynamic monitoring** Yes

**Welding input** PLASSON "Smartfuse" - auto recognition of PLASSON fittings

**Generator input voltage** 230 V nominal  
(190 min - 300 max V)

**Control box output voltage** 40 V AC

**Input frequency** 50 / 60 Hz  
(40 min - 70 max Hz)

**Output current** 54 A max (14 A nominal)

**Which brands does it weld?** Plasson only. Non-Plasson fittings can be welded using app with credit accumulation

**Operating temperature range** -10 to + 45°

**Terminals** 4.0mm and 4.7mm

**Earth pin** 10 amp plug size

**Welding cable** 3 meters fixed

**Error messages** Yes

**Service messages** Yes - After 200 hours / 12 months

**Control box & case weight** 14 kg

**Control box & case dimensions (L x W x H)** 466×176×366 mm



# SMARTFUSE 355

New compact design SmartFuse control box.

Mid-level electrofusion welding machine designed to weld **PLASSON** fittings up to 355mm.



- ✓ Welds PLASSON fittings up to 355mm
- ✓ Compact (470 x 370 x 180mm)
- ✓ Bluetooth
- ✓ Use SmartFuse App to automatically determine and record welding parameters
- ✓ 15 amp plug
- ✓ Tough weather-proof carry case
- ✓ Able to weld non-Plascon fittings using app with credit accumulated system

## Generator Requirements

| Dimension range of fittings | Generator output power                                                 |
|-----------------------------|------------------------------------------------------------------------|
| 20 to 600 seconds           | 3.2kW                                                                  |
| 750 to 900 seconds          | 4.5 kW (mechanically controlled)<br>5.0 kW (electronically controlled) |
| Extension cord              | Conductor cross-section                                                |
| Up to 30 m                  | 3 x 1.5 mm <sup>2</sup>                                                |
| Up to 50 m                  | 3 x 2.5 mm <sup>2</sup>                                                |

### PLASSON Australia Code

2001001 - 5m lead,  
2001002 - 10m lead,  
2001003 - 15m lead

|                                                      |                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Dimension range</b>                               | Dedicated for Plasson fittings up to 355mm                                          |
| <b>Data recording</b>                                | USB approximately 1000 records<br>Bluetooth / Cloud                                 |
| <b>Dynamic monitoring</b>                            | Yes                                                                                 |
| <b>Welding input</b>                                 | PLASSON "Smartfuse" - auto recognition of PLASSON fittings                          |
| <b>Generator input voltage</b>                       | 230 V nominal<br>(190 min - 300 max V)                                              |
| <b>Control box output voltage</b>                    | 40 V AC                                                                             |
| <b>Input frequency</b>                               | 50 / 60 Hz<br>(40 min - 70 max Hz)                                                  |
| <b>Output current</b>                                | 110 A max (30 A nominal)                                                            |
| <b>Which brands does it weld?</b>                    | Plascon only. Non-Plascon fittings can be welded using app with credit accumulation |
| <b>Operating temperature range</b>                   | -10 to + 45°                                                                        |
| <b>Terminals</b>                                     | 4.0mm and 4.7mm                                                                     |
| <b>Earth pin</b>                                     | 15 amp plug size                                                                    |
| <b>Welding cable</b>                                 | 5m, 10m, 15m                                                                        |
| <b>Error messages</b>                                | Yes                                                                                 |
| <b>Service messages</b>                              | Yes - After 200 hours / 12 months                                                   |
| <b>Control box &amp; case weight</b>                 | 16.5 Kg                                                                             |
| <b>Control box &amp; case dimensions (L x W x H)</b> | 470×180×370 mm                                                                      |

# POLYMATIC PLUS RX

New compact design SmartFuse control box.

High-level electrofusion welding machine designed to weld all brands up to 800mm.



- ✓ Welds all fittings to 800mm
- ✓ Compact (470 x 370 x 180mm)
- ✓ Bluetooth
- ✓ Use SmartFuse App to automatically determine and record welding parameters
- ✓ 2D barcode scanner
- ✓ Available with 5, 10, 15 meter lead sizes
- ✓ 15 amp plug

## Generator Requirements

| Dimension range of fittings | Generator output power                                                 |
|-----------------------------|------------------------------------------------------------------------|
| 20 to 160 mm                | 3.2kW                                                                  |
| 180 to 500 mm               | 4.5 kW (mechanically controlled)<br>5.0 kW (electronically controlled) |
| >500mm                      | 6.5 kW (mechanically controlled)<br>7.5 kW (electronically controlled) |
| Extension cord              | Conductor cross-section                                                |
| Up to 20 m                  | 3 x 1.5 mm <sup>2</sup>                                                |
| 20 - 50 m                   | 3 x 2.5 mm <sup>2</sup>                                                |
| 50 - 100 m                  | 3 x 4 mm <sup>2</sup>                                                  |

|                                                      |                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PLASSON Australia Code</b>                        | 2001005 - 5m lead,<br>2001006 - 10m lead,<br>2001007 - 15m lead                                                                               |
| <b>Dimension range</b>                               | For fittings up to 800mm                                                                                                                      |
| <b>Data recording</b>                                | USB approximately 1000 records<br>Bluetooth / Cloud                                                                                           |
| <b>Dynamic monitoring</b>                            | Yes                                                                                                                                           |
| <b>Welding input</b>                                 | Plasson "SmartFuse" automatic welding data input, barcode reading, manual input of barcode digits & manual input of welding voltage and time. |
| <b>Generator input voltage</b>                       | 230 V nominal<br>(190 min - 300 max V)                                                                                                        |
| <b>Output voltage</b>                                | 8 - 48 V AC                                                                                                                                   |
| <b>Input frequency</b>                               | 50 / 60 Hz<br>(40 min - 70 max Hz)                                                                                                            |
| <b>Output current</b>                                | 110 A max (40 A nominal)                                                                                                                      |
| <b>Which brands does it weld?</b>                    | All brands                                                                                                                                    |
| <b>Operating temp range</b>                          | -10 to + 45°                                                                                                                                  |
| <b>Terminals</b>                                     | 4.0mm and 4.7mm                                                                                                                               |
| <b>Earth pin</b>                                     | 15 amp plug size                                                                                                                              |
| <b>Welding cable</b>                                 | 5m, 10m, 15m                                                                                                                                  |
| <b>Error messages</b>                                | Yes                                                                                                                                           |
| <b>Service messages</b>                              | Yes - After 200 hours / 12 months                                                                                                             |
| <b>Control box weight</b>                            | 20 kg                                                                                                                                         |
| <b>Control box &amp; case dimensions (L x W x H)</b> | 470x380x370 mm                                                                                                                                |



# POLYCONTROL PLUS V2

**Slim design and state of the art technology**

Advanced-level electrofusion welding machine designed to weld any fitting up to 1200mm.



- ✓ Welds all fittings brands up to 1200mm
- ✓ Compact (470 x 370 x 180mm)
- ✓ Bluetooth
- ✓ Use SmartFuse App to automatically determine and record welding parameters
- ✓ Manual input of welding parameters
- ✓ 2D barcode scanner
- ✓ Continuous welding with active cooling
- ✓ 15 amp plug

## Generator Requirements

| Dimension range of fittings | Generator output power                                                 |
|-----------------------------|------------------------------------------------------------------------|
| 20 to 160 mm                | 3.2kW                                                                  |
| 180 to 500 mm               | 4.5 kW (mechanically controlled)<br>5.0 kW (electronically controlled) |
| >500mm                      | 6.5 kW (mechanically controlled)<br>7.5 kW (electronically controlled) |
| Extension cord              | Conductor cross-section                                                |
| Up to 20 m                  | 3 x 1.5 mm <sup>2</sup>                                                |
| 20 - 50 m                   | 3 x 2.5 mm <sup>2</sup>                                                |
| 50 - 100 m                  | 3 x 4 mm <sup>2</sup>                                                  |

|                                                      |                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PLASSON Australia Code</b>                        | 2001008 - 10m fixed lead                                                                                                                      |
| <b>Dimension range</b>                               | For fittings up to 1200mm and above. No cool down required                                                                                    |
| <b>Data recording</b>                                | USB approximately 1000 records<br>Bluetooth cloud & USB                                                                                       |
| <b>Dynamic monitoring</b>                            | Yes                                                                                                                                           |
| <b>Welding input</b>                                 | Plasson "SmartFuse" automatic welding data input, barcode reading, manual input of barcode digits & manual input of welding voltage and time. |
| <b>Generator input voltage</b>                       | 230 V nominal<br>(190 min - 300 max V)                                                                                                        |
| <b>Output voltage</b>                                | 8 - 48 V AC                                                                                                                                   |
| <b>Input frequency</b>                               | 50 / 60 Hz<br>(40 min - 70 max Hz)                                                                                                            |
| <b>Output current</b>                                | 110 A max (85 A nominal)                                                                                                                      |
| <b>Which brands does it weld?</b>                    | All brands                                                                                                                                    |
| <b>Operating temperature range</b>                   | -10 to + 45°                                                                                                                                  |
| <b>Terminals</b>                                     | 4.0mm and 4.7mm                                                                                                                               |
| <b>Earth pin</b>                                     | 15 amp plug size                                                                                                                              |
| <b>Welding cable</b>                                 | 10 meters fixed                                                                                                                               |
| <b>Error messages</b>                                | Yes                                                                                                                                           |
| <b>Service messages</b>                              | Yes - After 200 hours / 12 months                                                                                                             |
| <b>Control box &amp; case weight</b>                 | 23.8 kg                                                                                                                                       |
| <b>Control box &amp; case dimensions (L x W x H)</b> | 470x440x380 mm                                                                                                                                |

## Comparison of PFS control box features

| Features                        | Smartfuse 180             | Smartfuse 355             | Polymatic plus RX                                          | Polycontrol plus V2          |
|---------------------------------|---------------------------|---------------------------|------------------------------------------------------------|------------------------------|
| 3 meter lead                    | ✓                         |                           |                                                            |                              |
| 5 meter lead                    |                           | ✓                         | ✓                                                          |                              |
| 10 meter lead                   |                           | ✓                         | ✓                                                          | ✓                            |
| 15 meter lead                   |                           | ✓                         | ✓                                                          |                              |
| Fitting size                    | Up to 180mm               | Up to 355mm               | Up to 800mm<br>(sizes above 630mm require cool down times) | Up to 1200mm<br>No cool down |
| Welds                           | PLASSON                   | PLASSON                   | All brands                                                 | All brands                   |
| Weld tip size                   | 4.0 / 4.7 mm universal    | 4.0 / 4.7 mm universal    | 4.0 / 4.7 mm universal                                     | 4.0 / 4.7 mm universal       |
| Welding voltage                 | 40 AC                     | 40 AC                     | 8 - 48 AC                                                  | 8 - 48 DC                    |
| Output current (A)              | 54 A max (14 nominal)     | 110 A max (30 nominal)    | 110 A max (40 nominal)                                     | 110 A max (85 nominal)       |
| Generator input voltage         | 230 V nominal (190-300 V) | 230 V nominal (190-300 V) | 230 V nominal (190-300 V)                                  | 230 V nominal (190-300 V)    |
| Earth pin                       | 10 amp                    | 15 amp                    | 15 amp                                                     | 15 amp                       |
| Bluetooth                       | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Smartfuse                       | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Manual Input                    |                           |                           | ✓                                                          | ✓                            |
| Data recording                  | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Display messages                | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Error messages                  | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Service messages                | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Adjustable display contrast     | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Dynamic Monitoring              | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Auto software check             | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Resistance check                | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Ramped start                    | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Barcode reading capability      |                           |                           | ✓                                                          | ✓                            |
| Fitting & operator traceability | ✓                         | ✓                         | ✓                                                          | ✓                            |
| Active cooling                  |                           |                           |                                                            | ✓                            |
| Control box & case weight       | 13 kg                     | 16.5 kg                   | 20 kg                                                      | 23.8 kg                      |
| Control box & case dimensions   | 470x370x180 mm            | 470x370x180 mm            | 470x370x180 mm                                             | 435x317x230 mm               |



## Error Messages

| CODE | ERROR               | CAUSE                                                                                          | REACTION                                                                                                                                                                     |
|------|---------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -    | EMI Error           | Electronic out of order or defect                                                              | Contact service                                                                                                                                                              |
| -    | EMI Error 2         | Electronic out of order or defect                                                              | Contact service                                                                                                                                                              |
| -    | Emergency cut-out   | Welding was interrupted by pressing the red stop button.                                       | Welding is faulty!<br>Start the welding process again with a different fitting.                                                                                              |
| -    | Memory overflow     | Report memory is full.                                                                         | Print reports or deactivate the memory control option.                                                                                                                       |
| -    | System error        | Selftest has detected an error in the system.                                                  | Immediately disconnect the device from the power supply. Do not connect the device to the power supply. Send it to a service point.                                          |
| -    | Clock error         | Internal clock does not work properly                                                          | Set clock, change battery if necessary                                                                                                                                       |
| -    | Service             | The recommended service interval of 12 months or 200 working hours are exceeded.               | The device must be serviced by certified personnel or a service point. The device remains usable. The manufacturer is not liable until the device has undergone maintenance. |
| E1   | Contact error       | Invalid SmartFuse resistance value.                                                            | Clean terminals, use another fitting if possible                                                                                                                             |
| E2   | Power failure       | Last welding was interrupted by a break of the power supply.                                   | Welding is faulty! Prepare pipes again and use new fitting!<br>Consult the dealer or manufacturer.                                                                           |
| E3   | No contact          | No sufficient electrical contact with the fitting.<br>Heating coil or welding cable is defect. | Check connection (welding terminals and welding contacts) to fitting. Use another fitting Replace welding cable Consult the dealer or manufacturer.                          |
| E4   | Clean SmartFuse tip | Measuring tip of SmartFuse welding terminal is dirty                                           | Check / clean welding terminal.                                                                                                                                              |
| E5   | Code error          | Faulty input<br>Barcode defect or error in code structure                                      | Move the reading pen over the barcode in a continuous move with constant speed.<br>Verification by manual input of the barcode digits.                                       |

## Error Messages continued

| CODE | ERROR                     | CAUSE                                                                                                                               | REACTION                                                                                                                                      |
|------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| E6   | Temperature error         | Ambient temperature is out of limit (-10 to +50 °C)                                                                                 | Set up tent or take other measures to protect from heat. If the outside temperature is too cold, use heating.                                 |
| E7   | Temp. meas. error         | Temperature measurement is faulty. Welding cable or temperature sensor damaged/defective                                            | Plug in the removable welding cable again. Switch the device off and on again. Welding cable or sensor defect.                                |
| E8   | Resistance error          | Fitting resistance is out of the range of operation. Fitting resistance is out of the valid working range when using barcode input. | Use a electrofusion control unit suitable for the fitting. Potentially faulty fitting. Use a new fitting. Consult the dealer or manufacturer. |
| E9   | Device too hot            | Temperature of transformer is too high                                                                                              | Let the device cool down for about 45 min                                                                                                     |
| E10  | Frequency Error           | Input frequency out of working range (40-70 Hz)                                                                                     | Check generator                                                                                                                               |
| E11  | Interturn short circuit   | Current increases during welding by more than 15 % Short circuit in the heating coil                                                | Welding is faulty!<br>Consult the dealer or manufacturer.                                                                                     |
| E12  | Input volt. Low           | Input voltage < 190 V                                                                                                               | Fully unwind mains supply cord, use mains supply cord with suitable cross section, readjust generator voltage                                 |
| E13  | Input volt. High          | Input voltage > 300 V                                                                                                               | Adjust generator voltage to 260 V                                                                                                             |
| E14  | Peak Error                | Peak value of the input voltage too high                                                                                            | Check generator                                                                                                                               |
| E15  | Output volt. error        | The output voltage deviates from the rated value. Generator RPM fluctuating or power too weak.                                      | Check generator!                                                                                                                              |
| E16  | Current error (DUALMATIC) | Input voltage too high, resistance of the load too low                                                                              | Check generator, use new fitting                                                                                                              |
| E17  | Current low               | Momentary interruption of welding current.<br>Current drops about 15-20 % within 3 seconds                                          | Welding is faulty!<br>Consult the dealer or manufacturer.                                                                                     |
| E18  | Current high              | Output current is more than 15% higher than the starting current.                                                                   | Short-circuit in the heating coil or welding cable. If possible, test with another welding cable. Consult the dealer or manufacturer.         |

## Error Messages continued

| CODE | ERROR                          | CAUSE                                                       | REACTION                                                                        |
|------|--------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------|
| E19  | Stop button                    | The red stop button was pressed during the welding process. | Welding is faulty!<br>Start the welding process again with a different fitting. |
| E20  | Short circuit                  | Fault in electronics                                        | Contact service                                                                 |
| E21  | Power error                    | Output power too high                                       | Start the welding process again with a different fitting.                       |
| E22  | CONTACT ERROR                  | Problem with the welding terminal                           | Contact service.                                                                |
| E23  | Input current too high         | Input voltage is too low, causing the current to rise.      | Check voltage source.<br>Use an extension cable with a larger cross-section     |
| E24  | BAD CONTACTS                   | Problem with the welding terminal                           | Contact service!                                                                |
| E25  | Out of range                   | Power demand of coupler is too high for the controller.     | Use a more powerful controller to weld this coupler.                            |
| E26  | EMI Error 1                    | Electronic out of order or defect                           | Contact service!                                                                |
| E27  | EMI Error 2                    | Electronic out of order or defect                           | Contact service!                                                                |
| E28  | Current too high stage 1       | (MAMMUT) Current too high                                   | Contact service!                                                                |
| E29  | Current too high stage 2       | (MAMMUT) Current too high                                   | Contact service!                                                                |
| E30  | Voltage error in output stages | (MAMMUT) Load too high                                      | Check voltage source.<br>Increase input voltage.<br>Contact service!            |



## USB Error Messages

| CODE | ERROR                                                             | CAUSE                                                                                       | REACTION                                                                                                                                |
|------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| -    | USB ERROR 1<br>• No USB System                                    | USB-port system failure                                                                     | Electrofusion control unit must be checked.                                                                                             |
| -    | USB ERROR 2<br>• No USB Device                                    | No USB device is plugged in                                                                 | Plug in a USB device before selecting the USB option.                                                                                   |
| -    | USB ERROR 3<br>• USB Checksum                                     | Internal checksum error                                                                     | Electrofusion control unit must be checked                                                                                              |
| -    | USB ERROR 4<br>• USB Unknown                                      | Unknown USB error                                                                           | Electrofusion control unit must be checked.                                                                                             |
| -    | USB ERROR 5<br>• USB MEM PTR                                      | Internal error in the USB system.                                                           | Electrofusion control unit must be checked.                                                                                             |
| -    | USB ERROR 6<br>• USB Stop                                         | The red stop button has been pressed during data transfer.                                  | Do not interrupt data transfer by pressing the red stop button                                                                          |
| -    | USB ERROR 7<br>• No USB Stick                                     | The USB memory stick is not plugged in correctly.<br>The USB memory stick was not detected. | Plug in USB memory stick properly.<br>Remove USB-Memory stick and plug it in again.<br>Use another USB memory stick.                    |
| -    | USB ERROR 8<br>• USB Filename                                     | File/folder cannot be created.                                                              | Remove write-protection on the USB memory stick<br>Repeat data transfer.                                                                |
| -    | USB ERROR 9<br>- USB Tout SBLOCK                                  | Internal error                                                                              | Restart the device and repeat action.<br>If the error occurs again, the device needs to be checked.                                     |
| -    | USB ERROR 10<br>• USB DIR                                         | Error while writing to a directory.                                                         | Restart the device and repeat action.<br>If the error occurs again, the device needs to be checked.                                     |
| -    | USB ERROR 11<br>• USB DIR ANZ                                     | Error in the number of directories on the USB memory stick.                                 | Restart the device and repeat action.<br>If the error occurs again, the device needs to be checked.                                     |
| -    | USB ERROR 12<br>• USB Filesys<br>USB ERROR 13<br>• USB Createfile | Error while creating a file.                                                                | Remove write-protection on the USB memory stick.<br>Repeat data transfer.<br>If the error occurs again, the device needs to be checked. |
| -    | USB ERROR 14<br>USB ERROR 15<br>USB ERROR 16<br>• No USB System   | Internal Error                                                                              | Repeat data transfer.<br>If the error occurs again, the device needs to be checked.                                                     |

## USB Error Messages Continued

| CODE | ERROR                                                                                                                                    | CAUSE                                                                | REACTION                                                                                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| -    | USB ERROR 17<br>• USB Bad Printer                                                                                                        | No PCL - Capable printer is connected resp. Printer is not supported | Connect PCL Capable printer and restart printing.                                                |
| -    | USB ERROR 18<br>• USB Page Set                                                                                                           | Printer Error                                                        | Restart the device and repeat action. If the error occurs again, the device needs to be checked. |
| -    | USB ERROR 19<br>• PRN MEM ERR<br>USB ERROR 20<br>• PRN MEM LOW                                                                           | Printer memory error                                                 | Restart printer and repeat action.<br>Test with a different printer.                             |
| -    | USB ERROR 21<br>• PRN TRANS ERR0<br>USB ERROR 22<br>• PRN TRANS ERR1<br>USB ERROR 23<br>• PRN TRANS ERR2<br>USB ERROR 24<br>• PRN STATUS | Error in printer                                                     | Restart printer and repeat action.<br>Test with a different printer.<br>Check printer.           |
| E27  | EMI Error 2                                                                                                                              | Electronic out of order or defect                                    | Contact service!                                                                                 |
| E28  | Current too high stage 1                                                                                                                 | (MAMMUT) Current too high                                            | Contact service!                                                                                 |
| E29  | Current too high stage 2                                                                                                                 | (MAMMUT) Current too high                                            | Contact service!                                                                                 |
| E30  | Voltage error in output stages                                                                                                           | (MAMMUT) Load too high                                               | Check voltage source.<br>Increase input voltage.<br>Contact service!                             |

## Bluetooth Error Messages

| CODE | ERROR               | CAUSE                                                                       | REACTION                                                                          |
|------|---------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| -    | Checking BT module  | Connector loose, defect in Bluetooth module.                                | Restart the device and repeat action. Electrofusion control unit must be checked. |
| -    | BT module not found | Connector loose, defect in Bluetooth module, Bluetooth module not available | Restart the device and repeat action. Electrofusion control unit must be checked. |





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