



Callosum

Burned current measuring resistors on AID2-01

EN

<input type="checkbox"/> Campaign	<input type="checkbox"/> Modification	<input checked="" type="checkbox"/> Service Information letter
Valid from: 2015-05-05	<input type="checkbox"/> Action required	<input checked="" type="checkbox"/> For information only
<input checked="" type="checkbox"/> Worldwide or	<input type="checkbox"/> North America	<input type="checkbox"/> China
	<input type="checkbox"/> Latin America	<input type="checkbox"/> Northeast Asia
	<input type="checkbox"/> Eastern Europe / CIS	<input type="checkbox"/> Southeast Asia
	<input type="checkbox"/> Mediterranean	<input type="checkbox"/> Australia / Pacific
	<input type="checkbox"/> Northern / Central Europe	
	<input type="checkbox"/> Turkey, Middle East, Africa	
<input type="checkbox"/> Sales	<input type="checkbox"/> Spare Parts	<input type="checkbox"/> Service
	<input checked="" type="checkbox"/> Warranty	<input type="checkbox"/> OEM Information
		<input type="checkbox"/> Special circular
		<input type="checkbox"/> Operator Information

Reason for information

An increasing number of AID2-01 units (MTU material number: B00E51000017) from the field with burned current measuring resistor(s) are being sent to MTU Friedrichshafen for inspection/repair.

According to information from the manufacturer, the problems are due to excessive input voltages at the current inputs. These excessive input voltages can be caused by defective or incorrectly connected sensors.

The maximum permissible input voltage at the current inputs is $\pm 2.5V$!
Here $\pm 2.5V$ is equivalent to $\pm 100\text{ mA}$.



These measuring resistors can be compared with one another between terminals 1.2 & 1.3 and 2.2 & 2.3. Large differences indicate damaged measuring resistors.

If these components fail, details of the defective channel and the connected sensor must be indicated when they are sent back.

Additionally, the cabling must be checked!

Faults in the cabling and/or during measuring (e.g. current measurement over the current sensor) must likewise be indicated when sending back the units!