

Error diagnosis and troubleshooting

No.	Test	Limits measured value	Comment / possible cause
1.4	RAM test	-	RAM on CPU
1.5	Address error I2C bus	Error code	Check I2C bus connections
2.1	Measurement +5 V channel 1	151, 167	ADC on power supply unit
2.2	Measurement +5 V channel 2	151, 167	
2.3	Measurement +15 V	163, 181	ADC on power supply unit
2.4	Charging voltage Siebelko power supply	106, 196	incorrect supply voltage
2.5	Measurement -15 V	139, 154	ADC on power supply unit
3.1	Set value U1 = 0 V	0, 2	Power supply unit
3.2	Set value U1 = 10 V	13, 17	Power supply unit
3.3	Set value U1 = 80 V	113, 126	Power supply unit
3.4	I (U = 80 V): supposed to be zero	0, 1	no leakage current
3.5	U1 = 80 V, isolator off	0, 10	Isolator on UNT01
3.6	Self-test USG4		Result under test 5.1
4.1	Test 1 instrument detection unit	10, 10	Malfunction instrument detection unit/ foot switch pressed when the device was switched on
4.2	Test 2 instrument detection unit	10, 10	Malfunction instrument detection unit
5.1	Test result USG4	Error code	Self-test USG4 failed