

Trouble shooting of Scales

Searching for common troubles :

Always check all connectors and cables first

Check that there is power to the indicator, 230VAC, battery eliminator or battery.

Check that the load cells are free and that there is no material between the load cells and the platform frame.

Indicator	Trouble	Solution
U1170	Ticking sound	Replace C13,1000µF 16V on power board
	Unstable signal	Replace all electrolytic capacitors on the power board, and check that the Voltage Regulators has stable output.
	No signal	Replace the input amplifiers µA741, Lf351, LM308A
U1270 (Green display)	Unstable signal	Replace all electrolytic capacitors on power board, and check that the Voltage Regulators has stable output.
	Ingen signal	Replace the input amplifiers 1052, TLC271
U1275 (Red display)	Unstable signal	Replace all electrolytic capacitors on the power board, and check that the Voltage Regulators has stable output.
	No signal	Replace the input amplifiers TLC27L2, LTC1051
U137	Unstable signal	Resolder the transformer and all electrolytic capacitors on power board, and check that the Voltage Regulators has stable output.
	No signal	Replace the input amplifiers LTC1051, TLC372, LMC660
U237	Unstable signal	Check that the battery eliminator has a stable output and minimum 12VDC and check that the Voltage Regulators on the power board has stable output.
	No signal	Replace the input amplifiers LTC1051, TLC372, LMC660
U2372	Shuts down during the start-up sequence.	Charge the battery and wait until the charger indicates fully charged battery and try turning on the indicator again. If the problem still occurs: Turn on the indicator with the charger connected to the indicator. If the indicator then starts, the battery is too weak and must be replaced. If the problem still occurs: Check the voltage of the battery when battery charger is connected. The voltage of the battery should increase when the charger is connected. If not, check the fuses in the indicator and replace if a fuse is blown. If the fuses are intact and the voltage of the battery does not rise over 12VDC when charger is connected, the charger must be replaced. Replace the input amplifiers LTC1051, TLC372, LMC660
	No signal On/Off -button does not work	Replace U14, U15 on Main Board pc 525
U160	Shuts down during the start-up sequence.	Charge the battery and wait until the charger (or the display of the crane scale in earlier versions) indicates fully charged battery and try turning on the scale again. If the problem still occurs: Turn on the scale with the charger connected to the scale. If the scale then starts, the battery is too weak and must be replaced. Contact Unisystem for more information. If the problem still occurs: Check the voltage of the battery when battery charger is connected. The voltage of the battery should increase when the charger is connected. If not, check the fuses in the indicator and replace if a fuse is blown. If the fuses are intact and the voltage of the battery does not rise over 12VDC(6VDC on earlier versions) when charger is connected, the charger must be replaced. Replace the input amplifiers LTC1051, TLC372, LMC660
	No signal On/Off -button does not work	Replace U14, U15 on Main Board pc 525