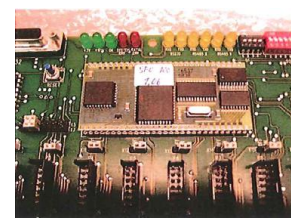


LevelDatic LD 100S Replacement of electronics



Background



- LD 100S was developed in the beginning of the 1990s
- The pressure measurement (PMT 16C) and calculation (PMC 31) units use components that are not produced any longer.
- This means that we cannot supply those parts any more.

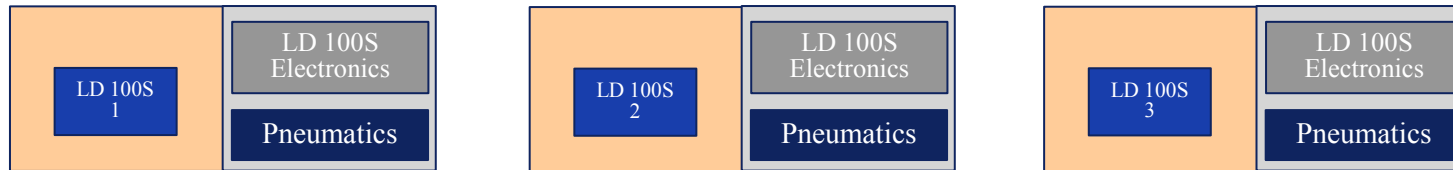
Solution



- We are developing an “Emulator kit” that will replace all electronics in an LD 100S cabinet. The “Emulator kit” is based on components that is used in other products from MTM.
- The “Emulator kit” can be installed by the crew of the ship.
- The cabinet, the pneumatics, the piping and the external cabling is not changed in any way.
- The hand terminal will still be used as operator interface.

LD 100S, emulator kit replacement

Example system – three LD 100S cabinets



Suppose that cabinet 1 has 10 channels, cabinet 2 has 8 channels and cabinet 3 has 6 channels.

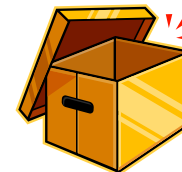
Suppose that two PMT 16C modules are broken, one in cabinet 2 and one in cabinet 3.

The suggested actions could be:

- Replace the electronics in cabinet 1 with the emulator kit.
- Use two PMT 16C modules from cabinet 1 as spare parts for the broken modules in cabinet 2 and 3.
- Send the the removed electronics to Rosemount Tank Radar in Gothenburg.



Recycle bin,
2 broken modules
scraped



8 used modules to
return to Emerson
for refurbishing.

Installation example

LD 100S cabinet



Remove electronics



Install Emulator kit



Configure used channels.



Send used parts back to Emerson for refurbishing.

