

Instrument Security Procedures

Model:

729 / 729 FC

Product Name:

Automatic Pressure Controller

Instrument Description:

The Fluke 729 Automatic Pressure Controller is pressure/electrical measurement/source instrument for process control. It measures and records pressure, voltage, current, temperature, and other readings from paired FC slaves.

Memory Description:

The Fluke 729 Automatic Pressure Controller has the following memory on two Printed Circuit Assemblies:

Main PCA

- The 2M byte Flash Memory embedded in STM32F429 processor is an electrically erasable and programmable memory that stores instruction code for main microprocessor, the instruction code is loaded at the factory or in Service and is not user accessible.
- The Synchronous Dynamic Random Access Memory (SDRAM) provides 8M bytes of data storage for the instrument. This includes operating memory for the microprocessor and temporary storage of measurement data. The SDRAM is volatile memory that clears when power is removed from the instrument.
- The 256k byte Flash Memory embedded in STM32F103 processor is an electrically erasable and programmable memory that stores instruction code for EMM processor, and calibration constants, the instruction code is loaded at the factory or in Service and is not user accessible.
- The Ferroelectric Nonvolatile RAM (FRAM) provides 2k byte for instrument setup, and is not user accessible.
- A Data Flash Memory provides 4M byte provides storage for download/customer tasks, calibration results, and saved screens, and can be cleared with the procedure below
- The 256k byte Flash Memory embedded in FTDI VNC2

processor is an electrically erasable and programmable memory that stores instruction code for VNC2 processor, the instruction code is loaded at the factory or in Service and is not user accessible.

PCM PCA

- The 256k byte Flash Memory embedded in STM32F103 processor is an electrically erasable and programmable memory that stores instruction code for PCM processor, and calibration constants, the instruction code is loaded at the factory or in Service and is not user accessible.

Memory Cleaning Instructions:

Use the following procedure to clear the Fluke 729 memory from front panel:

Push the [SETUP] key to go to setup menu, then push the F4 key to select [Clear All Files], after “admin” password verification, it will clear all task files, calibration results, and saved screens in internal memory.