

RIGOL

Declassification Guide

**MSO5000 / MSODS7000/MSO8000
Digital Oscilloscope**

Aug. 2019

RIGOL (SUZHOU) TECHNOLOGIES INC.

MSO5000/ MSODS7000/MSO8000 Series

MSO5000 series oscilloscope consists of MSO5354, MSO5204, MSO5104, MSO5102, MSO5074 and MSO5072.

MSODS7000 series oscilloscope consists of MSO7054, MSO7034, MSO7024, MSO7014, DS7054, DS7034, DS7024 and DS7104.

MSO8000 series oscilloscope consists of MSO8204, MSO8104 and MSO8064.

Instrument Memory

This section contains information on the types of memory available in your instrument. It explains the size of memory, how it is used, its location, volatility and the clearing procedure.

Instrument memory:

Memory type and size	Writable during normal operation	Data retained when powered off	Purpose/ contents	Data input method	Location in instrument and remarks	Sanitization procedure
FRAM 64kb	Yes	Yes	System setting\ License Data	System	Main board in CPU area	Default all settings
Data Memory GPU (SRAM) 36Mb×2	Yes	No	System data\ GUI Display	System	Main board in CPU area	Cycle power
Main Code\ FPGA Firmware (Nand Flash) 8Gb	Yes	Yes	System firmware\ Calibration data	Firmware upgrade\ Calibration	Main board in CPU area	No user data is stored
Boot (SPI Flash) 128Mb	No	Yes	Boot loader	BOOT	Main board in CPU area	No user data is stored
Data Memory (DDR3) 2Gb×2	Yes	No	FPGA Code\ caches	System	Main board in CPU area	Cycle power
Data Memory (DDR3) 2Gb×5	Yes	No	FPGA Code\ caches	System	Main board in SPU area	Cycle power

Position of Instrument Memory on Main Board

