

Specification for Procurement Nov 20, 2014

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GSFC/Code 568 Building 5 room W012

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Product specification: Oscilloscope

Scope Connectivity must have

Two USB 2.0 Host Ports on the Front Panel and Two on the Rear Panel for Quick and Easy Data Storage, Printing, and Connecting a USB Keyboard

USB 2.0 Device Port on Rear Panel for Easy Connection to a PC or Direct Printing to a PictBridge[®]-compatible Printer

Integrated 10/100/1000BASE-T Ethernet Port for Network Connection and Video Out Port to Export the Oscilloscope Display to a Monitor or Projector

Mixed Signal Design and Analysis (MSO Series)

Automated Triggering, Decode, and Search on Parallel Buses

Per-channel Threshold Settings

Multichannel Setup and Hold Triggering

MagniVu™ High-speed Acquisition Provides 60.6 ps Fine Timing

Resolution on Digital Channels

Unit must also have protective front cover or carrying case for transport

Quantity 4 x10 probes Standard 10 MΩ passive voltage probes with less than 4 pF capacitive loading and 500 MHz or 1 GHz analog bandwidth

Quantity 2 current probes, current probe must be able to measure 5ma to 20 amp ranges

1 year NIST calibration on scope and probes

Bandwidth 2 GHz

Sample Rate 10 GS/s , one or two channels

Waveform capture rate 250,000 wfms/s maximum

Up to 500 M point record length

Display: 10.4 in