MODEL 552GS SPECIFICATION

This instrument is a modified type of the model 552G, in which the input terminal for marker signal is added and the intensity modulation amplifier circuit is changed to meet the marker output of the center-controlled signal generator system (Ex. NJM-8222) manufactured by Japan Radio Corporation. (Nihon Musen).

The input terminal for marker signal is a receptacle of type small M on the rear side of the case.

1. Vertical Axis

Sensitivity			More than 10 mVp-p/cm
Frequency response			(VARIABLE : max. position)
AC	2 Hz	~ 500 kHz	Less than -3 dB
DC	0	~ 500 kHz	Less than -3 dB

2. Marker input deflection sensitivity

More than 10 mVp-p/cm at 10 kHz

3. Intensity modulation sensitivity

Input voltage range : 1 Vp-p ~ 5 Vp-p

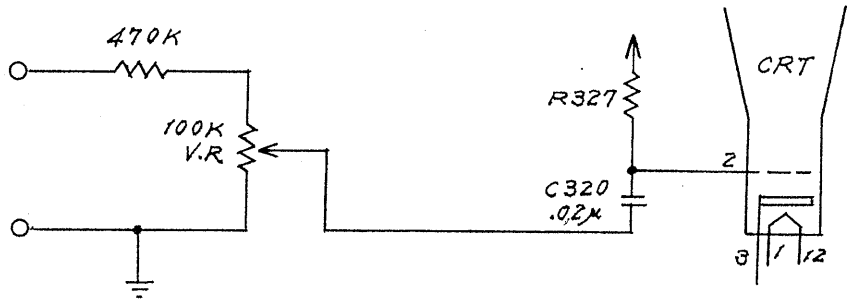
4. Specifications except the items related above are same as the standard model 552G.

MODEL 552GS SPECIFICATION

MODEL 552GS, this oscilloscope is made by reconstructing MODEL 552G oscilloscope as follow.

1. Z axis amplifier is removed as you request, then Z axis input terminals for external intensity modulation are direct AC couple to C.R.T. cathode.

2. We put in a variable resistance (100 kΩ) between Z axis input terminals for external intensity modulation and C.R.T. cathode, so as you can control input signal. It is fixed to rear panel.



3. The specifications except above items are the same as MODEL 552G oscilloscope.

MODEL 552GS SPECIFICATION

This instrument is a modified type of the model 552G, in which the input terminal for marker signal is added and the intensity modulation amplifier circuit is changed to meet the marker output of the center-controlled signal generator system (Ex. NJM-8222) manufactured by Japan Radio Corporation. (Nihon Musen).

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1. Vertical Axis

Sensitivity			More than 10 mVp-p/cm
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2. Marker input deflection sensitivity

   More than 10 mVp-p/cm at 10 kHz

3. Intensity modulation sensitivity

   Input voltage range : 1 Vp-p ~ 5 Vp-p

4. Specifications except the items related above are same as the standard model 552G.

MODIFIED OSCILLOSCOPE MODEL 552G

As requested, this instrument is modified and connected directly to a CRT from Intensity Modulation Input Terminal. (See the drawing ③ and ④ of circuit diagram.)

According to the above modification, the specification in respect of Intensity Modulation of our operating manual shall be revised as follows:

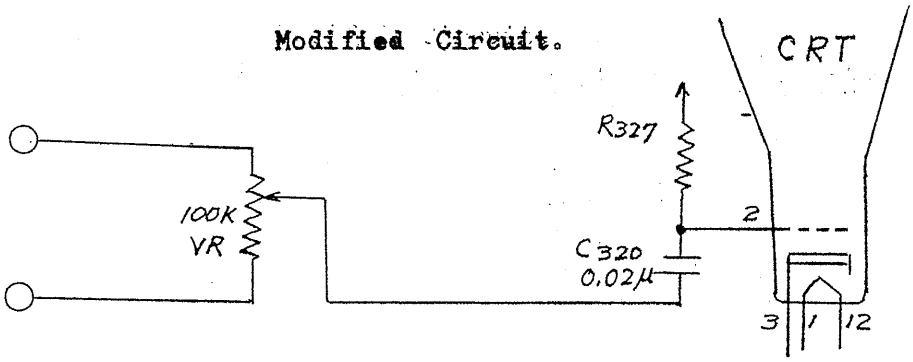
Intensity Modulation

System	Z-axis intensity modulation
Sensitivity	More than 10Vp-p
Polarity of Modulation	Brightness increases with positive signal

(Other items shall be deleted.)

** Other specifications shall be in accord with those of standard type. **

Modified Circuit.



MODIFIED OSCILLOSCOPE MODEL 552G

As requested, this instrument is modified and connected directly to a CRT from Intensity Modulation Input Terminal. (See the drawing No.33465 and 33466 of circuit diagram.)

According to the above modification, the specification in respect of Intensity Modulation of our operating manual shall be revised as follows:

Intensity Modulation

System	Z-axis intensity modulation
Sensitivity	More than 10Vp-p
Polarity of Modulation	Brightness increases with positive signal

(Other items shall be deleted.)

** Other specifications shall be in accord with those of standard type. **

MODEL 552GS OSCILLOSCOPE TEST DATA

SERIAL NO._____

Vertical axis	Sensitivity (1 kHz) More than 10 mVp-p/cm	( )
	Frequency response (VARIABLE max. position)	
	(50 kHz = 0 dB) At 500 kHz less than -3 dB	( )
	Input impedance Approx. 1 MΩ less than 65pF	( )
	Linearity	( )
Marker terminal	Sensitivity (1 kHz) More than 10 mVp-p/cm	( )
	Frequency response (VARIABLE max. position)	
	(50 kHz = 0 dB) At 500 kHz less than -3 dB	( )
Horizontal axis	Sensitivity (1 kHz) More than 200 mVp-p/cm	( )
	Frequency response	
	(1 kHz = 0 dB) 50 kHz less than -3 dB	( )
	Input impedance Approx. 220 kΩ less than 30pF	( )
	Linearity	
	Line sweep	
Stability	Less than ±10mm Spot movement for ±10% Line voltage variation ( )	
Intensity Modulation	Sensitivity	( )
Calibration voltage	50 mVp-p ( ) 20 mVp-p ( ) 10mVp-p	( )
Cathode Ray Tube	5 U P 1 F	
Insulation	(DC 1000V between Line and Chassis) More than 50 MΩ	( )

* Line voltage _____V, 50/60 Hz * Power consumption _____VA

* Date _____ * Room Temp. & R.H. _____°C, _____%

Final Test _____

KIKUSUI ELECTRONICS CORP.

Inspect. _____

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