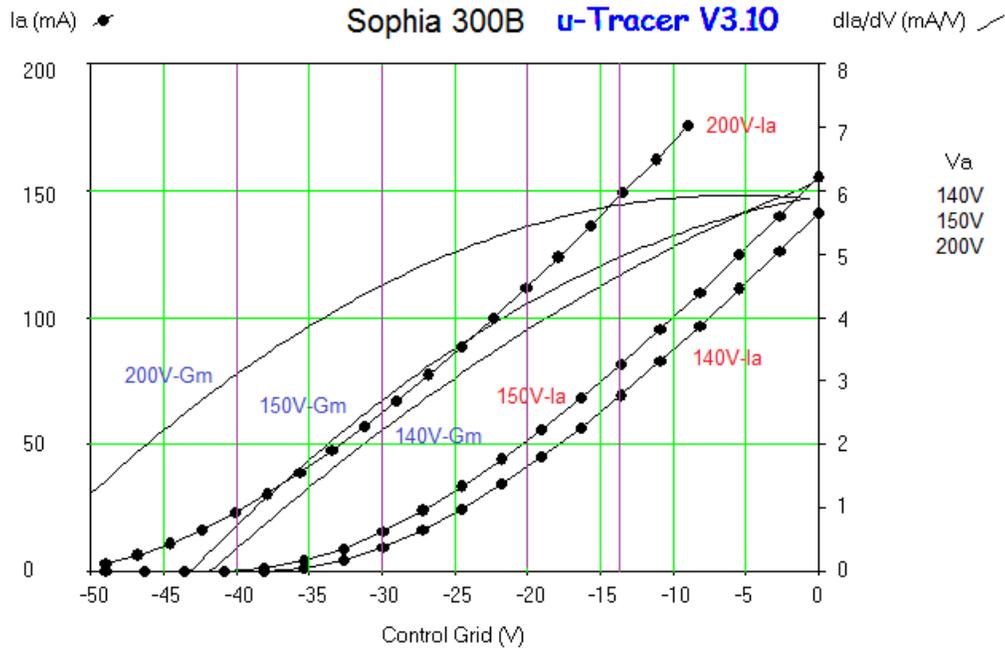


uTracer Sophia 300B Plate Current & Gm tested with Balanced DC Filament				
	Bias	Plate V	Plate Current	Gm
	-14	140	70.5	4830
	-14	145	76.8	4910
	-14	150	83.7	5050
	-20	140	43.1	4090
	-20	145	48.3	4210
	-20	150	54.5	4380
	-30	140	10.3	2280
	-30	145	13.1	2530
	-30	150	16.8	2820



Hickok 539B Sophia 300B Plate current & Gm tested. This version is equipped with a Balanced pot for the AC Filament and a Signal disconnect. GM is set to 0 with signal off and Gm button pressed. Also equipped with digital readouts of plate current and bias voltage.

Note: Most Hickok Tube Testers use Unfiltered DC for the Bias. The WE 539 version, RD1575, 580/A use DC filtered bias with un regulated, unfiltered plate Voltage at ~150V

Bias DC Supply	Bias	Plate V	Plate Current	Gm
unfiltered DC	-14	<i>Current exceeded testers capabilities, low GM</i>		
unfiltered DC	-20	145	45.2	3500
unfiltered DC	-30	148	15.3	2450

Hickok 580A Sophia 300B Plate current & Gm tested. The 580A is modified with external Gm bridge balance pot, filtered and unfiltered DC bias switch, adjustable DC unfiltered plate voltage. All 300B readings taken after Gm bridge balanced set to 0 and filament balance pot adjusted to give 0 Gm with grid signal off. Digital readouts for plate voltage, plate current and bias voltage.

Bias Supply	Bias	Plate V	Plate Current	Gm
filtered DC	-14	<i>Current exceeded testers capabilities</i>		
unfiltered DC	-20	150	49.8	3900
filtered DC	-20	<i>Current exceeded testers capabilities</i>		
unfiltered DC	-30	150	18.3	2400
filtered DC	-30	150	37.5	2800

Hickok 580A KR 300B Plate current & Gm tested.

Bias Supply	Bias	Plate V	Plate Current	Gm
filtered DC	-14	<i>Current exceeded testers capabilities</i>		
unfiltered DC	-20	150	51.0	4800
filtered DC	-20	<i>Current exceeded testers capabilities</i>		
unfiltered DC	-30	150	19.5	3000
filtered DC	-30	150	38.1	3200