



ELECTRONIC TUBE REFERENCE

7904

Specialized - Gauge Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
GAUGE

Bayard-Alpert inverted-geometry ionization-gauge triode designed for high-vacuum pressure measurement in scientific and industrial vacuum systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Gauge

No fixed ratings recorded.

Westinghouse 7904 Bayard-Alpert ionization gauge: grid voltage up to +500 V relative to filament; ion collector voltage maximum -100 V. These are gauge electrode ratings, not conventional triode plate voltage. Three tungsten filaments may be selected or configured for gauge operation.

Bayard-Alpert inverted-geometry ionization gauge triode for high-vacuum pressure measurement.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1947 WESTINGHOUSE

Section 1 · Gauge

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	4 V	Nominal
HeaterCurrentNominal	1.5 A	Nominal
MaximumPlateOrOperatingVoltage	500 V	—
IonCollectorVoltageMaximumMagnitude	100 V	—
TypicalGridVoltage	150 V	—
GridVoltageMaximum	500 V	—

TUBE TINKER

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