



ELECTRONIC TUBE REFERENCE

10G19N

Specialized - Gauge Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

GAUGE

Fernico-skirt Bayard-Alpert ultra-high-vacuum ionization gauge head, electrically referenced to the 10G18 design.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Gauge

No fixed ratings recorded.

Bayard-Alpert ionization-gauge section; electrical data cross-referenced by source to 10G18.

Bayard-Alpert ultra-high-vacuum ionization gauge head with Fernico skirt; electrical data referenced to 10G18. Published ratings, characteristics, operating data, capacitances, microwave/noise data, or gauge-head data were retained according to the physical device and mapped only to compatible locked-schema fields.



SOURCE OPERATING CONDITIONS

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Gauge

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pressure range	4e-11-0.001 torr	—
Sensitivity for nitrogen	12 per torr	—
Emission current minimum	1 uA	—
Collector insulation resistance minimum	100000000000000 ohm	—
Grid insulation resistance minimum	10000000000000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Emission current maximum	30 mA	—
Maximum filament voltage	8 V	—
Maximum bake-out temperature	450 degC	—
Electrical data reference	10G18	SourceCrossReference

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament material	Tungsten	—

TUBE TINKER

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