



# HVD250/30 SERIES

PRECISION HIGH VOLTAGE DIVIDER

250 kV DC | 0.2% ACCURACY

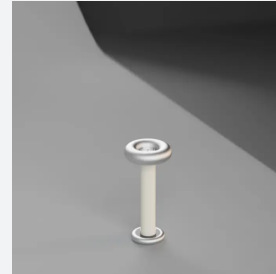
HIGH VOLTAGE SOLUTIONS

HVD250/30 | 01

## PRECISION MEASUREMENT

The HVD250/30 is a precision divider for measuring DC voltages up to 250 kV DC. Its high input impedance minimizes circuit loading, while the toroidal high-voltage termination supports corona-free operation at rated voltage.

Designed for use with high-impedance digital, differential, or data-acquisition instrumentation.



**250 kV DC**

MAXIMUM INPUT

**5000 MOhms**

INPUT IMPEDANCE

**50 kOhms**

OUTPUT IMPEDANCE

**2.5 V (1 V = 100 kV)**

OUTPUT SCALING

## SPECIFICATIONS

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Rated input voltage     | 250 kV DC                                     |
| Input impedance         | 5000 MOhms                                    |
| Output impedance        | 50 kOhms                                      |
| Output tap              | 2.5 V (1 V = 100 kV)                          |
| Accuracy                | 0.2%                                          |
| Temperature coefficient | 75 ppm/°C                                     |
| S version               | HVD250S/30; 25 ppm/°C temperature coefficient |
| Overall height          | 30 in                                         |
| Maximum width           | 14 in                                         |
| Input termination       | 14 in toroid                                  |
| Output connection       | BNC connector; 20 ft RG cable                 |

## ORDERING GUIDE

### STANDARD

**HVD250/30**

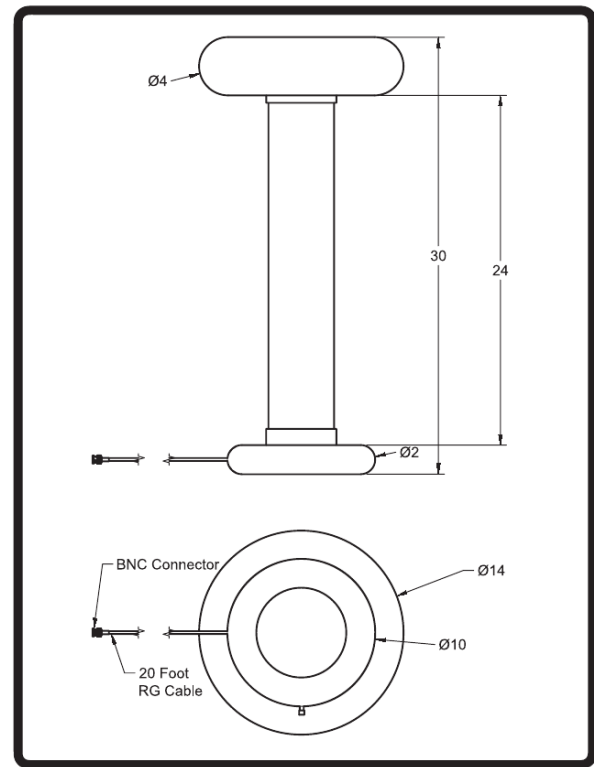
75 ppm/°C

### S VERSION

**HVD250S/30**

25 ppm/°C

## MECHANICAL DRAWING



HIGH VOLTAGE SOLUTIONS

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