

Capacitive Coupling Clamp 1313-B1-01



For Tests According To

> IEC 61000-4-4 > EN 61000-4-4 > IEC 61000-4-18 > EN 61000-4-18

Highlights

- > Construction as per IEC 61000-4-4 Ed.3
- > EFT/Burst Testing of Signal- and Datalines
- > Active Coupling Length 1 m
- > Permissible Burst Voltage 7 kV
- > For Cable Diameter up to 40 mm

Application Areas



Industry



Telecom



Medical



Residential



Broadcast

Product Data

Technical Data	
Max Voltage	7.0 kV
Dimension	140 mm x 1000 mm
Coupling Plate Height	GND - couplingplate, 100 mm
Connector	High voltage connector, coaxial
GND Connection	4 mm plug, banana
EUT Cable	Up to 40 mm diameter
Weight	10.6 kg

General Data	
Temperature	10°C to 40°C
Rel. Humidity	Max. 85 %, non condensing
Atmospheric Pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

Coupling Clamp Calibration

The calibration of the capacitive coupling plane is performed with the open circuit voltage setting at the EFT/burst generator (50 ohm output): 2,000 V

Resulting output voltage across the PVF 50 (50ohm matching resistor): 1,000 V.

Measuring voltage V_m : 10 V

Measured voltage considering the 50 ohm input impedance of the oscilloscope: 5 V

Resulting attenuation (theoretical): 400:1

