

Bulk Current Injection Probe

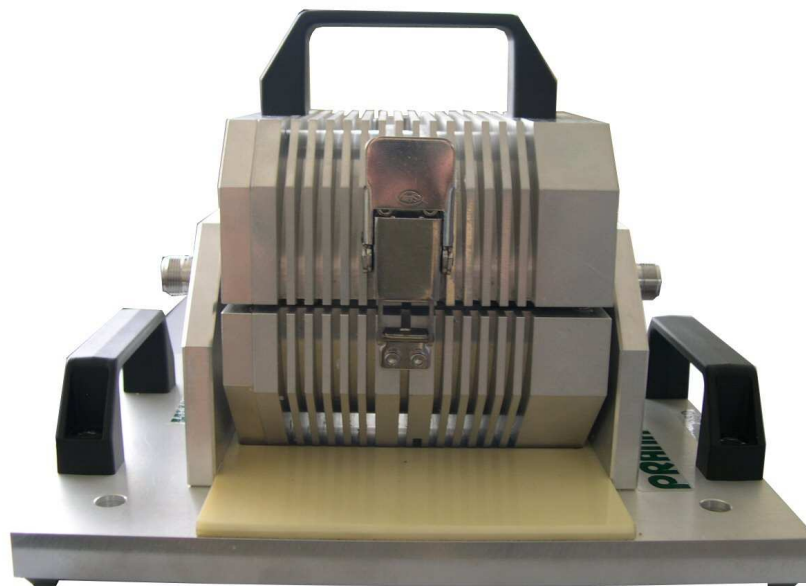
Application : Conducted EMC

Designed and manufactured in Europe, the models IP-DR250 Bulk Current Injection Probe is used to inject RF current into conductors and cables of electrical and electronic equipment undergoing susceptibility testing.

It is designated to cover most of industrial or military standards as automotive testing, up to 300mA, aircraft testing, D0160D up to 600mA.

The injection probe with its "clamp-on" feature is simply clamped around the test conductor and becomes a one-turn secondary winding. The injection probe "window" accommodates conductors up to 43.8 mm in diameter

The Model IP-DR250 Bulk Current Injection Probe is especially designed to provide minimum insertion loss over the 0.01MHz to 400MHz frequency range. Its high capacity of heat exchange with ambient air allows permanent input power up to 500W.



TECHNICAL SPÉCIFICATIONS:

- Frequency Range0.01 - 400 MHz
- Window diameter 43.8 mm
- Outside dimensions (h x w x d)..... 120 mm x 126.5 mm x 125 mm
(without handle)
- RF input connector Type "N" Female
- Weight 5.3 kg
- Fastening2 Clips
- Maximum input Power500 W
- Input Power (with respect of core temperature = 80°C)..... 150 W - 60 min
300 W - 30 min
500 W - 15 min
- Maximum temperature on the core surface (do not exceed this temperature) 80 °C

INSERTION LOSS:

Insertion Loss of the injection probe could be measured at low signal level. The insertion loss was determined using a calibration circuit similar to the following :

