

## DOBLE IN-SERVICE TESTING & ASSESSMENT

# DA100

Accessory to PD and RFI Surveyors

### TO EVALUATE THE POTENTIAL DIRECTION OF PD AND RFI SOURCES IN SUBSTATIONS

Use the Doble DA100 Directional Antenna with PD and RFI Surveyors to provide more specific location of Radio Frequency Interference (RFI) and Partial Discharge (PD) sources. With this combination you not only determine the presence of PD sources, you can also establish the direction of the RFI and PD emissions. This information gives you a more detailed assessment of the potential positions of such sources within substations or electrical environments, allowing you to identify faulty equipment, which can then be scheduled for monitoring, repair or replacement as necessary.

The DA100 Directional Antenna detects PD and RFI signals in the range 250MHz to 1GHz. It can be either hand held or mounted on a tripod. Connect to PD and RFI Surveyors with a 50 Ω BNC coax cable.



#### DA100 TECHNICAL SPECIFICATIONS

##### DATA ACQUISITION

Inputs	1 Channel
Output Connector	BNC
Frequency Range	250MHz – 1GHz
Sensitivity	

##### MECHANICAL DATA

Diameter	290mm / 11.5in
Thickness	40mm / 1.5in
Weight	1kg / 2.2 lbs
Construction	Aluminium / polycarbonate

##### ENVIRONMENTAL

Humidity	0-95% non-condensing
Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +70°C

##### SCOPE OF DELIVERY

Doble DA100 - Directional Antenna	Handle, Wall/Pole Bracket, 1/4" Tripod Mount, Laser Sight, Transport Case
-----------------------------------	---

##### THIRD PARTY ACCESSORIES

Tripod.
50 Ω BNC coax cable (1 m for handheld mode, 1-10 m in tripod mounted mode).



**Doble Engineering Company**  
Worldwide Headquarters  
85 Walnut Street, Watertown, MA 02472 USA  
tel +1 617 926 4900 | fax +1 617 926 0528  
[www.doble.com](http://www.doble.com)

Specifications are subject to change without notice.  
Doble is ISO-9001 certified.  
Doble is an ESCO Technologies Company.  
MKT\_SL\_DA100\_12/15