

# Differential Foil Sensor for Cable Testing

## DFS1

The DFS1 is an external sensor for cable testing, which can be applied to joints and terminations with interrupted cable shield. Especially on cross-bonding joints differential foil sensors serve to capture partial discharge signals in elevated frequencies up to some hundred MHz. Such foil sensors can be permanently installed for monitoring or temporary applied for survey type measurements.

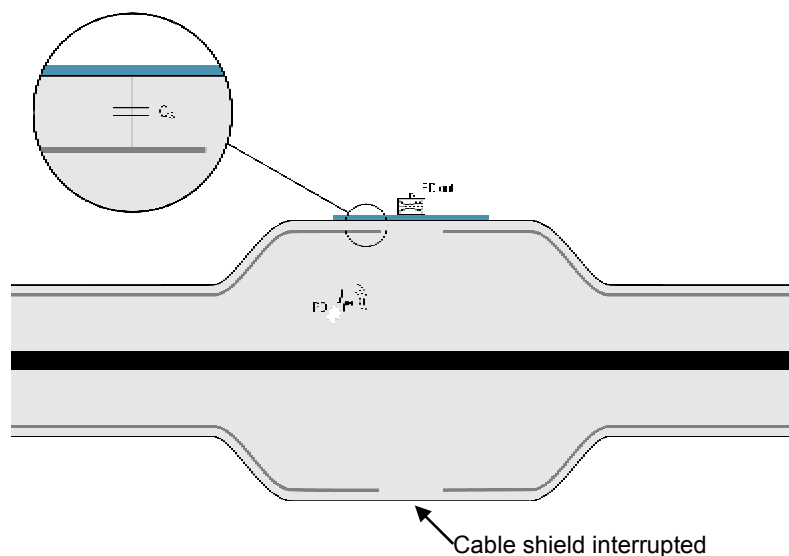


### Technical Data:

Active sensor areas:	2 x (70 x 130) mm <sup>2</sup>
Max. frequency range:	1 MHz–600 MHz
Typ. used freq. range:	1 MHz–50 MHz
Withstand voltage:	15 kV (1 min)
Connectors:	1 x BNC or N (to be specified)
Outer dimensions:	45 x 300 x 84 mm <sup>3</sup> (H x W x D)
Weight:	Approx. 480 g

Cs1: Stray capacitance of left sensor area to left cable shield

Cs2: Stray capacitance of right sensor area to right cable shield



← Cable shield interrupted