

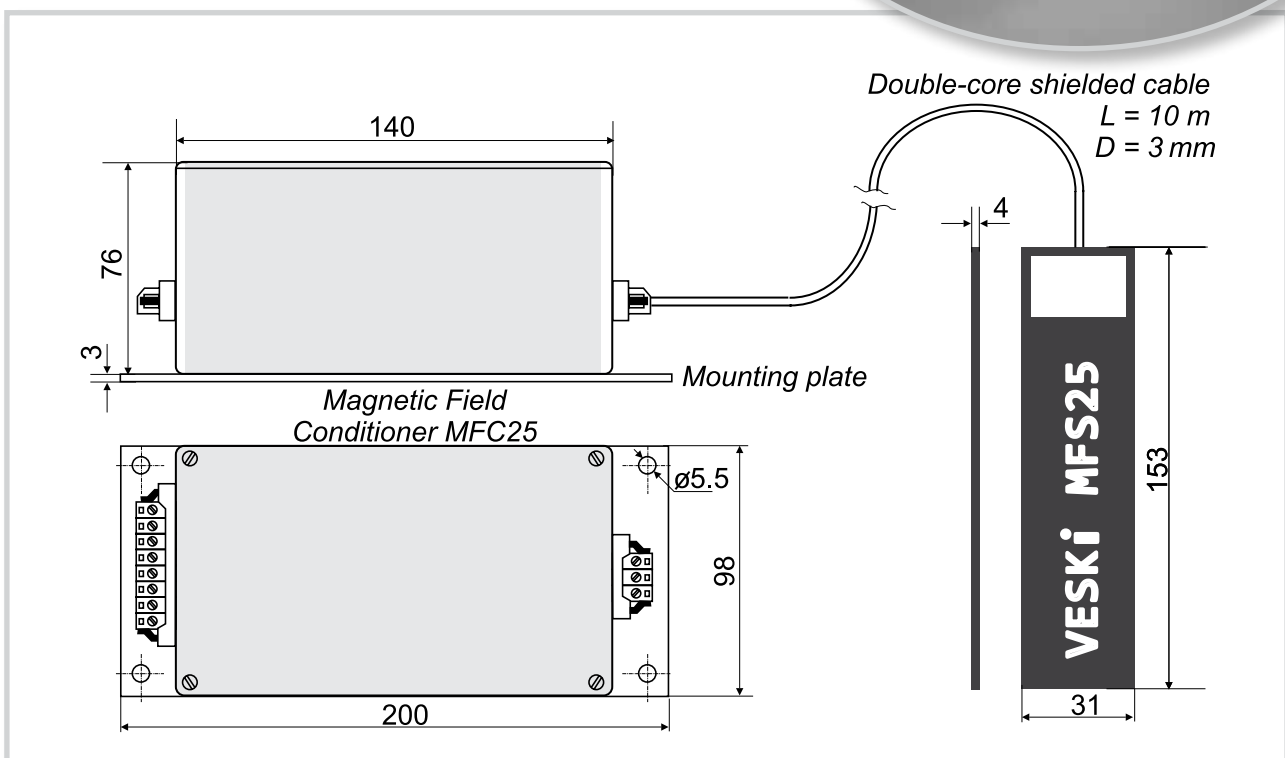
## ▷ MF25 MAGNETIC FIELD MEASUREMENT SET

The **MF25** Magnetic Field measurement set is designed for measurements of hydrogenerator rotor poles magnetic field. This type of measurement is standard part of power-generating machines monitoring, providing data for complete evaluation of conditions in generator air-gap and dynamical behaviour of machines.

The **MF25** Magnetic Field measurement set can be used in self-standing operation, providing calibrated magnetic field output signal, as well as a part of diagnostic monitoring system (e.g. VESKI CoDiS Computerized Diagnostic System) where magnetic field data can be included in air-gap, vibrations and power quality analysis procedures.

Magnetic field signals provide information about rotor pole windings condition (short circuit between pole windings, magnetic field asymmetry), which can cause significant influence on dynamical behaviour of the machine. The **MF25** Magnetic Field measurement set consists of:

- measurement sensor **MFS25** with integrated cable for operation in high temperature environment. Sensor **MFS25** is designed for installation in generator's air-gap, flat-mounted on the stator surface
- measuring conditioner/amplifier **MFC25** with measurement signal input and conditioned signals output terminals



## TECHNICAL DATA:

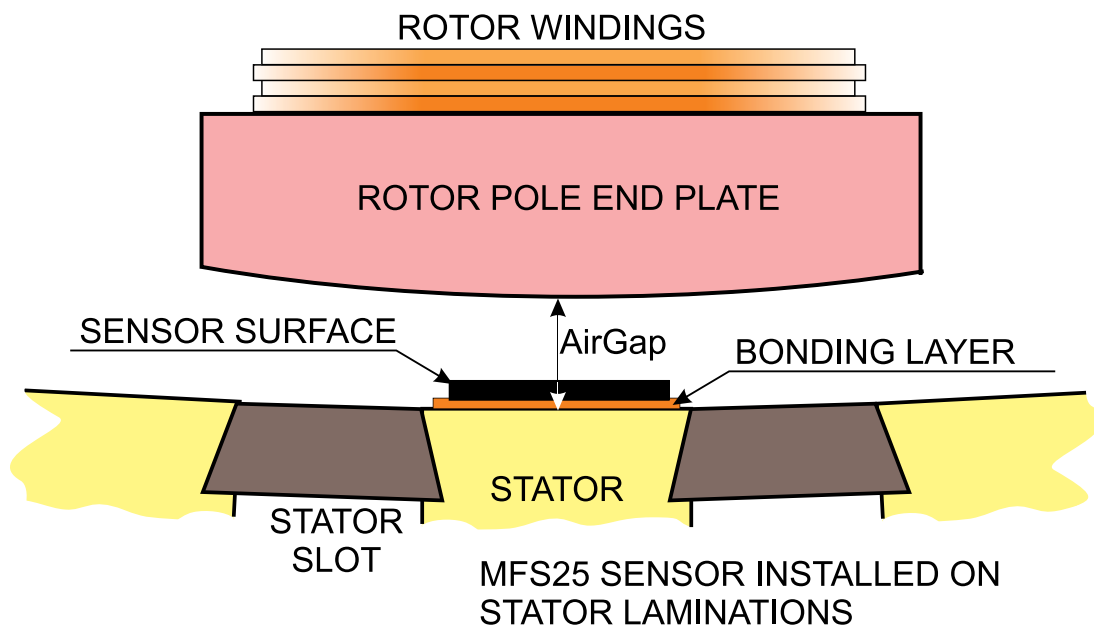
### Magnetic field sensor shield **MFS25**

Measurement range	$\pm 2.5$ T
Frequency range	1 Hz .... 10 kHz
Operational temperature	0° to +125°C
Standard cable length	10 m
Standard cable diameter	3 mm
Cable type	24AWG

### Magnetic Field Conditioner **MFC25**

Input signal voltage	$\pm 2.5$ V
Output signal voltage	$\pm 5$ V
Power supply voltage	+ 24 VDC
Calibrated data output	$\pm 5$ V = $\pm 2.5$ T
Protection class	IP 54
Operating temperature	0...+55°C
Relative humidity	95% non condensing

## Installation recommendation



### Applied standards:

Electric: EN 61326, EN 50178  
Cable: DEF 61-12, MIL-W-81044  
Enclosure: IP 54  
Environmental: IEC/EN 60068



ISO 9001  
Q-480