



SFA™-200

STRAY FLUX ANALYSER UNIT

GENERAL SPECIFICATIONS

Operation

- Stray Flux Input
 - Number of Inputs 2
 - Input Impedance > 100 kΩ
 - Type Radial and Tangential¹
 - Bandwidth 10 kHz (-3 dB)
 - Sampling Rate 50 000 Samples/s
- Synchro Input
 - Nominal Input ± 24 V Max.
 - Signal Amplitude 5 V Peak to Peak Min.
 - Signal Frequency (determined by the rotational speed² of the turbogenerator):
 - Four-Pole Design: 1500 to 1800 Pulses Per Minute
 - Two-Pole Design: 3000 to 3600 Pulses Per Minute
 - Minimum Pulse Width 200 μs

Status Indicators and Outputs

- SYSTEM OK
 - Indicator Green / Orange LED
 - Relay Driver Bipolar FET³ (± 30 V Max. / 25 mA Max.)
- CHANNELS OK
 - Indicator Green / Orange LED
 - Relay Driver Bipolar FET³ (± 30 V Max. / 25 mA Max.)

Communication

- Ethernet
 - Protocol TCP/IP
 - Speed 100/1000 Base-T

Power Requirements

- Voltage 24 Vdc ± 15%
- Consumption 20 W
- Polarity Reversal Protection Built-in

Connection

- Power Input 3-Pos. Removable Terminal Block
- Ethernet RJ45
- Stray Flux Inputs 3-Pos. Removable Terminal Block
- Synchro Input 3-Pos. Removable Terminal Block
- Relay Drivers 5-Pos. Removable Terminal Block
- USB Port Type A, Female

Note 1: The MFP™-100 sensor detects radial magnetic field only.

Note 2: Two-pole or four-pole turbogenerator, on a 50 Hz or 60 Hz network.

Note 3: FET - Field Effect Transistor.



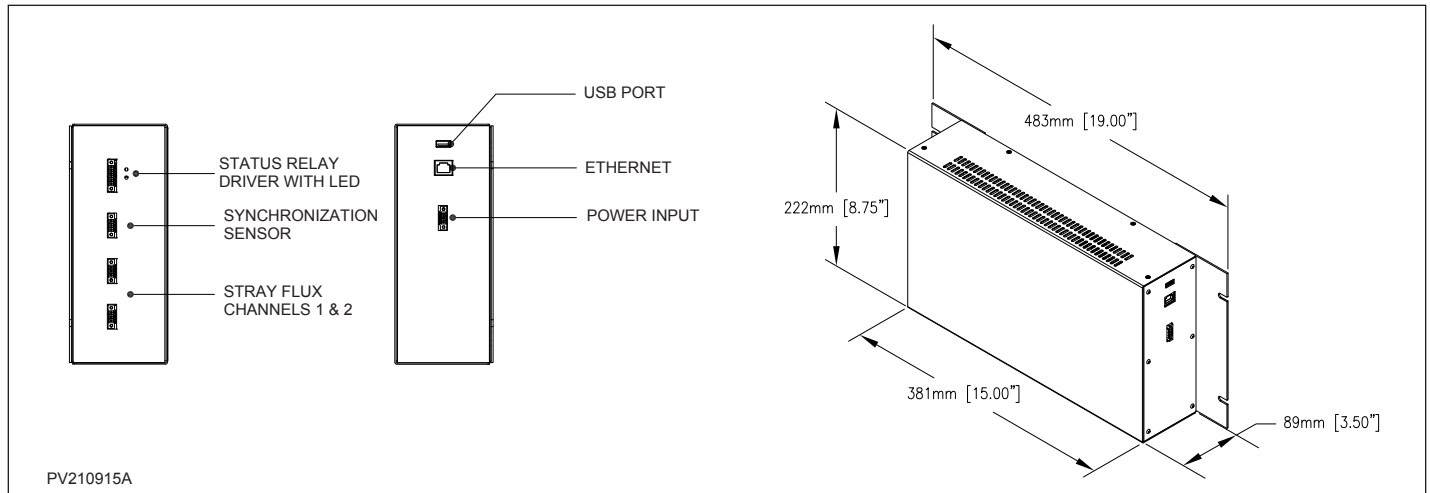
Environment

- Temperature Range
 - Operating 0 to 60 °C [32 to 140 °F]
 - Storage -20 to 80 °C [-4 to 176°F]
- Humidity Up to 95%, Non-Condensing
- Protection Rating IP20

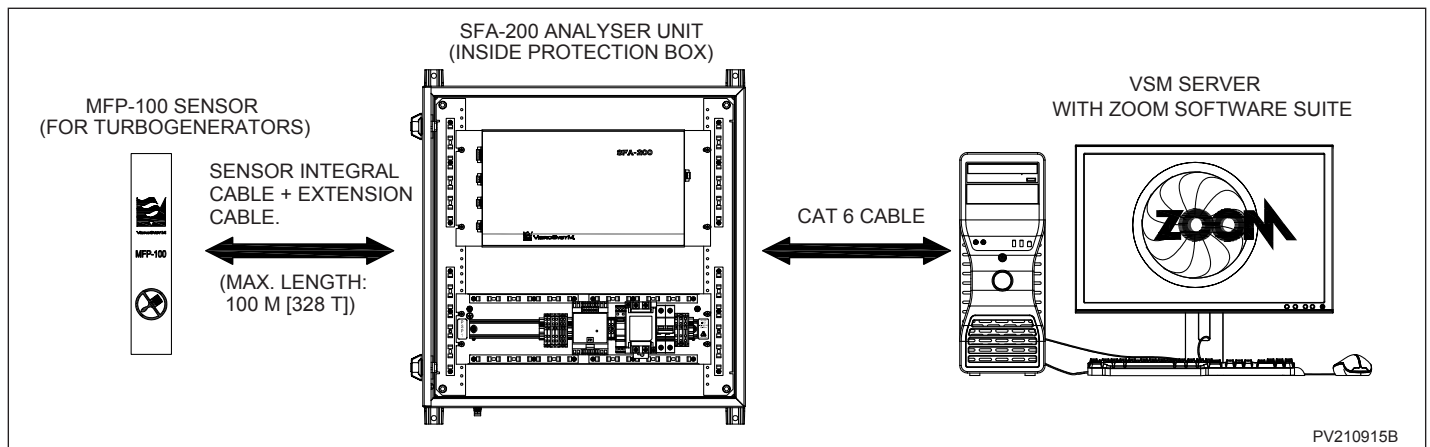
Physical Characteristics

- Case Form Factor 5U, 19" Rack-Mount
- Material Steel, Zinc-Plated

DIMENSIONS



COMPLETE SYSTEM OVERVIEW



PRODUCT IDENTIFICATION

Product Number	Description
VSM-SFA200	SFA-200 Stray Flux Analyser Unit

Publication: 2017-02-22

VibroSystM Inc. www.vibrosystem.com

VibroSystM Inc. reserves the right to change specifications to improve products without notice. NOTICE: Trademarks referenced herein are trademarks and registered trademarks of VibroSystM Inc. or third parties, and are the property of their respective owners. Third party trademarks are used for identification purposes only and shall not be construed as indicative of any relationship or endorsement between VibroSystM Inc. and the third parties.

9678-25D1A-100_SFA-200