ISO 20083-3:2019 (E)

Ships and marine technology — Determination of the shaft power of ship propulsion systems by measuring the shaft distorsion — Part 3: Elastic vibration method

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principles of the measurement

5 Components of the device

5.1 General
5.2 Shaft ring
5.3 Sensor
5.4 Transmitting/receiving component
5.5 Peripherals

6 Calculation of the shaft power

6.1 Shaft torque
6.2 Shaft power

7 Factors for determining the measuring accuracy

7.1 General
7.2 Sensor sensitivity
7.3 G-modulus
7.4 Zero adjustment
7.4.1 Zero Point
7.4.2 Procedure for the zero adjustment

8 On-board documentation for the device

Page count: 8