

Evaluation of machine vibration by measurements  
on non-rotating parts

Part 4: Gas turbine driven sets excluding aircraft derivatives  
(ISO 10816-4 : 1998)

**DIN**  
ISO 10816-4

ICS 17.160

Descriptors: Machinery, non-rotating parts, vibration, measurements.

Mechanische Schwingungen – Bewertung der Schwingungen von Maschinen durch Messungen an nicht-rotierenden Teilen – Teil 4: Maschinensätze mit Antrieb durch Gasturbinen mit Ausnahme von Flug-Triebwerken (ISO 10816-4 : 1998)

This standard incorporates International Standard

ISO 10816-4 Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 4: Gas turbine driven sets excluding aircraft derivatives.

*A comma is used as the decimal marker.*

### National foreword

This standard has been prepared by ISO/TC 108.

The responsible German body involved in its preparation was the *Normenausschuß Akustik, Lärminderung und Schwingungstechnik* (Acoustics, Noise Control and Vibration Engineering Standards Committee).

The DIN Standards corresponding to the International Standards referred to in clause 2 and Annex C of the ISO Standard are as follows:

ISO Standard	DIN Standard
ISO 2954	DIN 45666
ISO 7919-1	DIN ISO 7919-1
ISO 7919-4	DIN ISO 7919-4
ISO 10816-1	DIN ISO 10816-1
ISO 10816-2	DIN ISO 10816-2
ISO 10816-3	DIN ISO 10816-3

### National Annex NA

#### Standards referred to

(and not included in **Normative references** and **Annex C**)

DIN 45666	Instruments for measuring vibration severity – Requirements
DIN ISO 7919-1	Mechanical vibration of non-reciprocating machines – Measurements on rotating shafts and evaluation criteria – Part 1: General guidelines (ISO 7919-1 : 1996)
DIN ISO 10816-1	Evaluation of machine vibration by measurements on non-rotating parts – Part 1: General guidelines (ISO 10816-1 : 1995)
DIN ISO 10816-2	Evaluation of machine vibration by measurements on non-rotating parts – Part 2: Large land-based steam turbine generator sets in excess of 50 MW (ISO 10816-2 : 1996)
DIN ISO 10816-3	Evaluation of machine vibration by measurements on non-rotating parts – Part 3: Industrial machines with nominal power above 15 kW and nominal speeds between 120 r/min and 15 000 r/min when measured <i>in situ</i> (ISO 10816-3 : 1998)

ISO Standard comprises 10 pages.



# Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts

## Part 4: Gas turbine driven sets excluding aircraft derivatives

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