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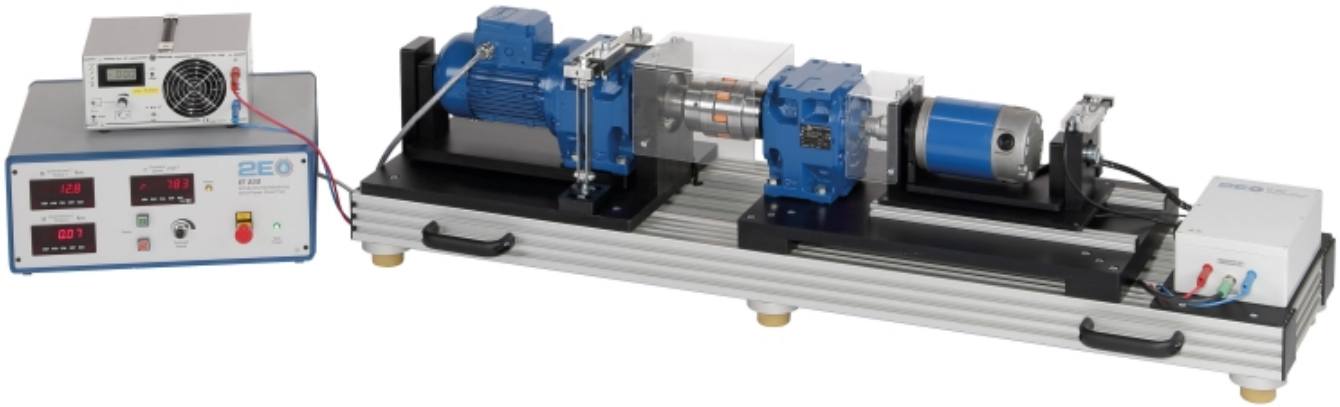
ET 222 Wind power drive train

Order code: **5201.06122200**



Information about product price on demand

Parameters

Quantitative unit	ks

GUNT ET 222

Wind Power Drive Train is an advanced experimental unit designed to analyze the performance of wind power systems.

It includes a low-speed drive motor, spur gear transmission, and a DC generator, simulating the characteristics of a wind turbine.

The system provides detailed measurements of torque and speed, allowing for in-depth analysis of power transmission efficiency.

It is also compatible with remote learning, offering an online E-Learning course on wind power fundamentals.

This product is ideal for universities, technical schools, and research institutions, providing a hands-on approach to understanding wind energy systems.

Technical Data & Specifications:

DC Generator:

- Rated speed: 1050 min^{-1}
- Maximum power: 350 W
- Maximum current: 10 A
- Maximum voltage: 36 V

Spur Gear Transmission:

- Transmission ratio: 1:53
- Rated load capacity: 335 Nm
- Efficiency: 94%

Drive Motor:

- Rated speed: 22 min^{-1} (adjustable: 3–22 min^{-1})
- Rated power: 0.37 kW
- Maximum torque: 153 Nm

Measuring Ranges:

- Speed: 0–1200 min^{-1}
- Torque: 0–200 Nm (drive side), 0–10 Nm (generator side)
- Current: 0.005–25 A
- Voltage: 0–80 V

Power Supply:

- 230V, 50Hz, 1 phase
- 120V, 60Hz, 1 phase / 230V, 60Hz, 1 phase
- UL/CSA optional

Included Items:

- Wind power drive train unit
- Measuring amplifier with digital displa
- Adjustable electrical load
- Sensors for speed and torque measurement
- E-Learning access for wind power fundamentals

Dimensions & Weight:

- Size (LxWxH): 1480 × 480 × 400 mm
- Weight: approx. 105 kg