A wide range of Eddy current dynamometers, the optimum solution for your performance and endurance tests.

Our range of EC dynamometers is based on our know-how in mechanical engineering, measurement and design of transmission shafts. Our products fulfill your needs for testing industrial, automotive and motorcycle engines.

- Low inertia
- Excellent reliability and quality of torque measurement
- Product range for a wide range of applications from motorcycle to HD engine
- Suitable for emission test cycles like ESC, ELR, WHSC, ISO8178, Japan 6 & 13 modes…
- Suitable for transient emission test cycles like NRTC during engine development
- Independent: Integrated electrical and mechanical alarm monitoring (coil and bearings)
- Our offer of services: transmission shaft design, maintenance…
EDDY CURRENT DYNAMOMETERS

**ARCHITECTURE**

- Controller
- Communication
- Automation system
- Power supply
- Setpoint Dyno
- Torque measurement
- Speed measurement
- Alarm switches
- User manual
- Torque calibration (*)
- Safety monitoring (*)
- Transmission protection (*)
- Controller (*)
- Power supply rack (*)
- Conditioning module for torque sensor (*)
- Engine starter(*)

(*) Options

**TECHNICAL DATA**

### Features
- Torque measurement: Strain gage
- Speed measurement: Magnetic sensor 60-2 teeth
- Alarm switches: Water pressure and temperature
- User manual: English, French
- Torque calibration (*): Set of calibration arms and weights
- Safety monitoring (*): Labyrinth temperature, front bearing vibration
- Transmission protection (*): Drive shaft guard + wooden box
- Controller (*): DCU 3000
- Power supply rack (*): PWR 2000
- Conditioning module for torque sensor (*): AMP 3000
- Engine starter(*): DSD

### Performances

<table>
<thead>
<tr>
<th>Coupling</th>
<th>Rated Torque</th>
<th>Speed range of max. torque</th>
<th>Rated Power</th>
<th>Speed range of max. power</th>
<th>Inertia</th>
<th>Water flow rate</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>DIN</td>
<td>N.m</td>
<td>rpm</td>
<td>kW</td>
<td>rpm</td>
<td>kg.m²</td>
<td>l/min</td>
<td>kg</td>
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<td>DE 80</td>
<td>90</td>
<td>2,500 - 3,800</td>
<td>80</td>
<td>3,800 - 12,000</td>
<td>0.02</td>
<td>40</td>
<td>300</td>
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<tr>
<td>DE 160</td>
<td>120</td>
<td>2,000 - 3,500</td>
<td>160</td>
<td>3,500 - 10,000</td>
<td>0.09</td>
<td>135</td>
<td>520</td>
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<tr>
<td>DE 300</td>
<td>150</td>
<td>2,000 - 3,200</td>
<td>300</td>
<td>3,200 - 10,000</td>
<td>0.18</td>
<td>135</td>
<td>600</td>
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<tr>
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<td>180</td>
<td>1,100 - 1,500</td>
<td>450</td>
<td>2,150 - 8,000</td>
<td>0.95</td>
<td>290</td>
<td>1300</td>
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<tr>
<td>DE 450 HT</td>
<td>180</td>
<td>1,100 - 1,500</td>
<td>450</td>
<td>1,500 - 8,000</td>
<td>1.06</td>
<td>290</td>
<td>1300</td>
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<tr>
<td>DE 500-2</td>
<td>150 (M12)</td>
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<td>3,800 - 8,000</td>
<td>0.38</td>
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<td>500</td>
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