

JAQUET solutions for diesel and gas engines



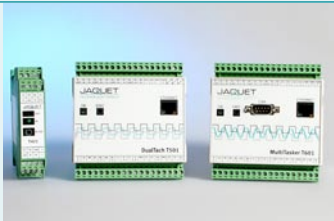
TURBOCHARGER SPEED

JAQUET is the world leader in speed sensor solutions for all turbocharger applications ranging from passenger cars, through truck and railway engine sizes right up to large turbos for ships' engines. You can rely on our decades of experience in this field to bring the right technology, installation package and electrical interface to your advantage.



CAM AND CRANKSHAFT SPEED

No matter whether your requirement is for low volume custom solutions for highly demanding military or marine applications or high annual volume quick fit designs for truck engines, JAQUET offers you a competent and professional partnership, which starts with an understanding of your technical requirements.



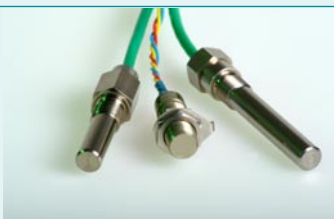
ENGINE MONITORING & DIAGNOSTICS

Our MDS 4000 monitoring and diagnostic product range provides a window into the performance and behaviour of your diesel engine. Based on established theories of engine behaviour, JAQUET's MDS 4000 measures the finite variations in rotational speed and from that calculates engine torque, power output and most importantly cylinder work in real time. This can then be used for control and display or for engine health analysis and trend recording. The payback is in reduced fuel consumption, minimized maintenance costs and the avoidance of catastrophic failure.



REGULATION, OVERSPEED PROTECTION & EVENT LOGGING

The new T500 product offers 2 fast speed to analogue converters that may be used for regulation purposes. In addition, 4 limit relays are available for start control and over-speed protection. Uniquely, JAQUET's T500 offers the ability to construct system limits e.g. logical combinations of temperature and speed or perhaps speed and oil pressure. JAQUET's T600 takes this product to a higher level with the addition of CAN and Ethernet interfaces and the provision of diagnostic capabilities for the OEM. Critical events are also logged with time and date for later analysis and display on a PC.



CUSTOM PRODUCTS

JAQUET solutions don't stop with standard product lines. Tomorrow's innovations are constantly under development for a range of applications, with gearbox actuator position measurement, sensing of 2 gear speeds with one sensor and non-contact data coupling being just a few examples. We look forward to being challenged by your requirements.

JAUQUET TECHNOLOGY GROUP offers the world's most versatile and advanced range of solutions for the detection, measurement, diagnosis and management of rotational speed.

Our industry and application specific expertise ensures that you will achieve an optimum solution. Completely matched to your individual requirements, meeting key industrial standards and certifications, our products help boost the performance of your machinery while reducing cost of ownership.



TYPICAL INDUSTRIES SERVED

- Automotive and truck
- Aerospace
- Diesel / Gas engines
- Hydraulics
- Railway
- Turbines
- Turbochargers
- Industrial machinery



PRODUCTS – SPEED SENSORS

- Various technologies
- Standard, custom and OEM models
- For demanding applications, e.g. 300,000 rpm, temperature up to 320 °C / 600 °F, high vibration, shock to 200 g, etc.
- GreenLine speed sensors for general applications
- Ex models for hazardous areas
- Pole bands and target wheels available where needed



PRODUCTS – SYSTEMS

- Multi-channel overspeed protection systems
- 1–2 channel measurement, protection and control modules
- Engine diagnostic systems
- Redundant speed measurement and indication



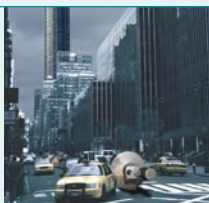
SPECIAL PROJECT EXAMPLES

- An automotive linear movement sensor
- Integrated power and torque measurement for display and gearbox control
- Naval spec. turbine protection for nuclear submarines
- Speed measurement in turreted, tracked vehicles



QUALITY MANAGEMENT AND STANDARDS

- Quality management: TS 16949 and ISO 9001, ZELM ATEX 1020, KWU
- Sensors: GL, KWU, TÜV, ATEX, EN 50155 ,NF F 16-101 102 , ABS, EMC
- Systems: IEC 61508 SIL 2 and SIL 3, API 670, GL, TÜV, KWU, EX
- Environmental: RoHs - EU directive 2002/95/EC



JAUQUET – YOUR PARTNER

- Efficient and professional service - JAUQUET TECHNOLOGY GROUP is headquartered in Basel, Switzerland and has subsidiaries in Belgium, China, Germany, the Netherlands, United Kingdom and United States along with a worldwide distributor and end-user service network.
- Flexible production quantities; from 1 to millions per project
- Reduction of total costs by intelligent and cost-effective solutions
- Fast turn around time

