🏁 DRUCK PER LA SUPERBIKE

Potenza. Precisione. Prestazioni.

Sensori di pressione e temperatura per il motorsport più estremo.
Affidati alla tecnologia usata dai migliori team del mondo.

📞 **Contattaci:**

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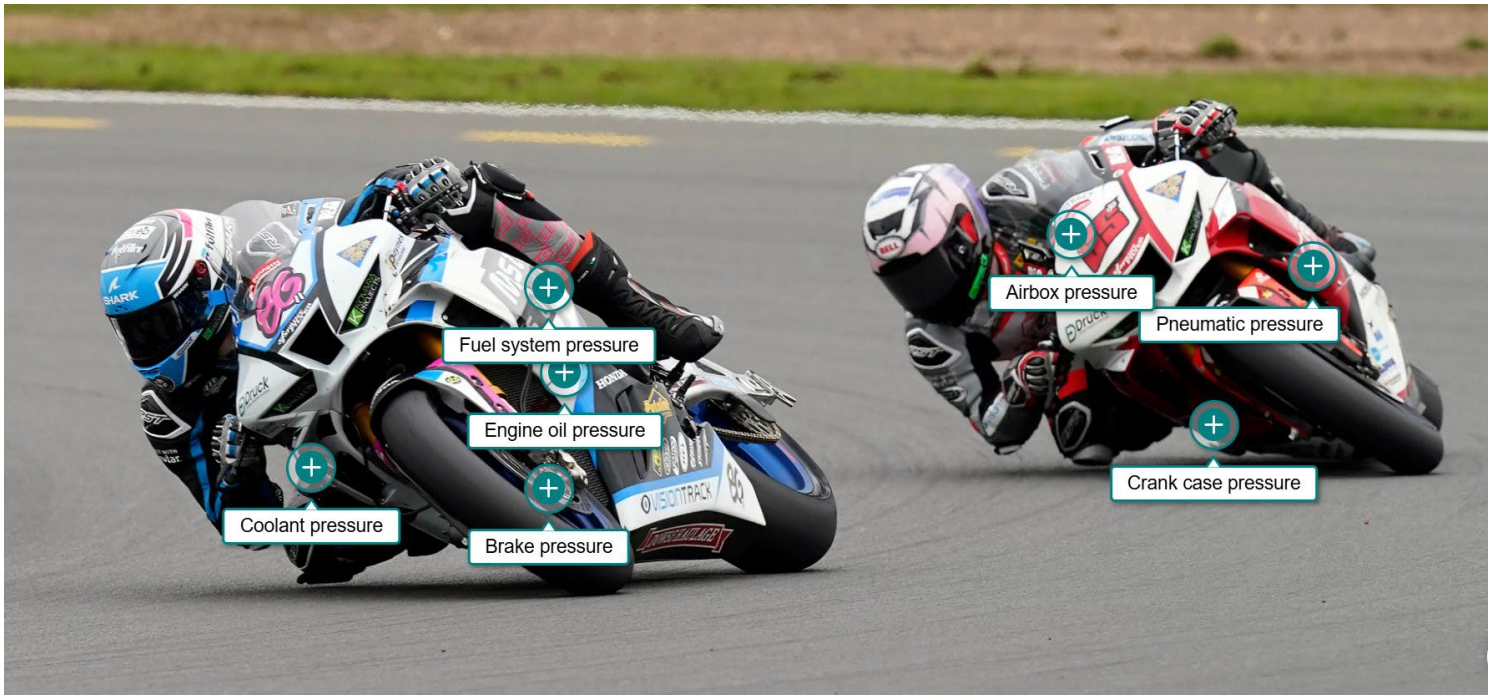
Le principali squadre di motorsport a livello globale si affidano da anni ai sensori di pressione Druck, grazie alle prestazioni, velocità e affidabilità che questi garantiscono – caratteristiche fondamentali nel mondo delle competizioni.

Druck è in grado di fornire sensori di pressione e temperatura che soddisfano i requisiti di dimensioni, peso e materiali richiesti dai team, per numerose applicazioni e fluidi, inclusi carburanti, oli, liquidi refrigeranti e sistemi idraulici, in ambienti estremi con temperature elevate e forti vibrazioni.

Il successo nel motorsport dipende da centinaia di componenti che lavorano insieme sotto stress in condizioni estreme. Ogni componente deve essere testato con rigore e precisione per garantire che le misurazioni siano entro le specifiche. Con una gamma di calibratori di pressione ad alte prestazioni e indicatori portatili per test in officina o direttamente in pista, è il momento di scegliere Druck come partner nel motorsport.



PERCHÉ SCEGLIERE DRUCK?

- Sensori usati dai top team del motorsport
- Alta precisione in ambienti estremi
- Compattezza, leggerezza, robustezza
- Riduzione della complessità dei cablaggi
- Soluzioni combinate: pressione + temperatura

SENSORI PROGETTATI PER OGNI COMPONENTE DELLA TUA SUPERBIKE

- **PMP4200**
- **PMP4300**
- **PMP4400**
- **PMP4400T** *(pressione + temperatura)*

📐 Alta resistenza a vibrazioni, alte temperature e fluidi aggressivi.

1 SISTEMA CARBURANTE

✅ Ottimizza la combustione

❌ Evita sprechi e surriscaldamenti

Sensori consigliati: PMP4400T, PMP4200, PMP4300

Fuel system pressure

Overview

Fuel pressure affects engine combustion. Low pressure can cause overheating and reduced performance, while excessive pressure leads to fuel waste.

Druck Solution

Druck sensors provide high-accuracy fuel pressure data. The **PMP4400T** measures both temperature and pressure. Other suitable sensors include the **PMP4200**, **PMP4300**, and **PMP4400**.

2 PRESSIONE OLIO MOTORE

✅ Lubrificazione perfetta

✅ Controllo temperatura integrato

Sensori consigliati: PMP4400T, PMP4300, PMP4200

Engine oil pressure

Overview

The engine needs oil to lubricate moving parts. Oil is pumped under pressure to prevent metal-on-metal contact, ensuring reliability. Excess pressure wastes horsepower, while low pressure can lead to component failure. Oil circulation also helps regulate engine temperature.

Druck Solution

Druck motorsport sensors withstand high temperatures and provide accurate oil pressure monitoring. The **PMP4400T** measures both pressure and temperature, reducing wiring complexity. Other suitable options include the **PMP4200**, **PMP4300**, and **PMP4400**.

4200 Series

4300 Series

4400 Series

4400T Series

3 SISTEMA FRENANTE

✅ Equilibrio freni anteriore/posteriore

✅ Evita blocchi e perdita di aderenza

Sensori consigliati: PMP4400, PMP4300, PMP4200

Brake pressure

Overview

Brake pressure affects the balance between the front and rear wheels. Too much pressure at the rear can cause wheel lock-up, reducing traction and control. Understanding brake pressure ensures stability during heavy braking.

Druck Solution

Druck sensors help engineers optimize brake balance and measure brake fluid temperature. The **PMP4400T** combines pressure and temperature monitoring. Other options include the **PMP4400**, **PMP4300**, and **PMP4200**.

4200 Series

4300 Series

4400 Series

4400T Series

4 CIRCUITO DI RAFFREDDAMENTO

✅ Evita il calo di prestazioni per surriscaldamento

✅ Rileva perdite e inefficienze

Sensori consigliati: PMP4200, PMP4300, PMP4400

Coolant pressure

Overview

On race bikes, a pressurized cooling system is vital to maintaining contact between coolant and metal surfaces in the engine. If pressure drops, performance decreases due to overheating. Excess pressure can indicate pump inefficiency, affecting reliability.

Druck Solution

Druck motorsport pressure sensors help detect leaks and optimize cooling performance. The **PMP4200**, **PMP4300**, and **PMP4400** are ideal for monitoring coolant pressure.

4200 Series

4300 Series

4400 Series

5 AIRBOX

✅ Pressione ottimale = potenza massima

✅ Regola la miscela aria-carburante

Sensori consigliati: PMP4200, PMP4300, PMP4400

Airbox pressure

Overview

The airbox and intake system determine the maximum airflow to the engine, affecting power output. At high speed, air is forced into the intake, increasing pressure. Monitoring airbox pressure ensures the correct air-fuel mixture.

Druck Solution

Druck motorsport sensors help optimize air-fuel ratios. The **PMP4200**, **PMP4300**, and **PMP4400** provide accurate airbox pressure monitoring for peak performance.

4200 Series

4300 Series

4400 Series

6 CRANK CASE (BASAMENTO)

✅ Controllo dei gas di combustione

✅ Evita perdite d'olio e guasti alle guarnizioni

Sensori consigliati: PMP4200, PMP4300, PMP4400

Crank case pressure

Overview

Crank case pressure increases when combustion gases leak past the piston rings. Excessive pressure can cause oil leaks or gasket failures, while monitoring ensures maximum engine efficiency and performance.

Druck Solution

Druck motorsport sensors allow engineers to monitor crank case pressure, ensuring optimal engine function. Suitable options include the **PMP4200**, **PMP4300**, and **PMP4400**.

4200 Series

4300 Series

4400 Series

7 SISTEMI PNEUMATICI (MOTO GP)

✅ Controllo valvole a molla pneumatica

✅ Affidabilità a giri elevati

Sensori consigliati: PMP4200, PMP4300, PMP4400

Pneumatic pressure

Overview

Pneumatic spring valves are common on MotoGP race bikes. These systems allow precise control of high-speed valve operation, enabling higher RPMs. Monitoring pressure ensures reliability and performance optimization.

Druck Solution

Druck sensors monitor pneumatic air usage, detecting issues such as leaks or failed components. Suitable options include the **PMP4200**, **PMP4300**, and **PMP4400**.

4200 Series

4300 Series

4400 Series

Vuoi portare la tua superbike al prossimo livello? Contattaci per una consulenza tecnica dedicata.

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