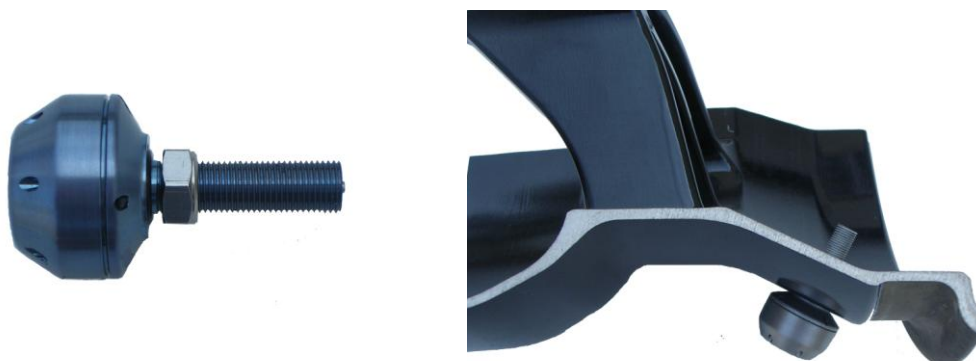


Pressure & Temperature Transmitter VS10 & VS8



Measures and transmits tyre pressure and temperature, provides continuous monitoring of tyres during test, practice and race conditions. Operates with TMS AS Receiver. Versions available for 8.8mm and 11.3mm valve holes, option of O-ring or bonded seal accepts standard valve core. All valve threads conform to ISO 4570:2002

Transmitted data is encrypted and carries a unique serial number ensuring reliable error free data transmission. Each sensor is individually calibrated to a traceable standard, resulting in very high accuracy across the wide operating temperature range (150°C).

Pressure measuring range	0..2.5bar* (0..38psi)*
Measuring resolution	2.5mbar (0.04psi)
Pressure accuracy	+/- 0.5%
Temperature measuring range	10..150°C
Resolution	1°C
Housing	Titanium
Weight	27g..29g
Transmit rate	Adaptive (see text) up to 2Hz
Battery	High-temp Lithium Thionyl cell
Battery Life	Up to 1,500,000 Transmissions
Radio Frequency	433.92MHz
RF Emission category	MPT1340, ETS 300-220
Typical TX range	20m (free space)

Operating modes

- Active mode - When pressure is above 0.17bar (2.5psi) and temperature is above active threshold (typically 40°C). Transmit interval 1sec. (0.5 sec optional)
- Power save mode - When pressure is above 0.17bar (2.5psi) and temperature is below active threshold. Transmit interval 30sec (60 sec optional). If pressure change ≥ 25 mbar additional transmissions made.
- Sleep Mode - If pressure is below 0.17bar (2.5psi) the sensor makes no transmissions.
- Expected battery life: >1,500,000 transmissions (approx. 500hrs active, 6,000hrs power save, 15,000hrs sleep mode). Subject to high temperature operating limits

Ordering Information:	Order Code	Description
	301200201	TMS Valve sensor 10V2
	301200202	TMS valve sensor 8V1
	*Other ranges available 500mbar, 1bar, 3.5bar, 5bar, 10bar	

Further information: Contact us to discuss bespoke sensor designs