



Jet-Tech Race Meter

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Tyre Temperature Analysis is an essential part of setting up a chassis correctly and an electrical test meter is an essential part of every race mechanics toolkit, as many race kart electrical systems become ever more reliant on electronic components. We at Jet-Tech, in an effort to reduce race team costs, commissioned the development of a combined electrical test meter and tyre temperature pyrometer to complement the latest versions of **Jet-Tech PRO** and **Jet-Tech Kart SetUp**, which feature Tyre Temperature Analysis. The Jet-Tech Race Meter is a quality device available exclusively from Jet-Tech Motorsport.

Designed to complement the Tyre Temperature Analysis function in **Jet-Tech PRO** and **Jet-Tech Kart SetUp**, the pyrometer function uses a Fast-Response Probe for quick and accurate measurement of your tyre temperatures - which tyre manufacturers and F1 tyre technicians alike, consider essential for accurate tyre temperature data recording. With a wide range (up to 1000°C) the pyrometer can also be used for checking brake temperatures.



Tyres are designed to give optimum grip at the optimum carcass temperature. Infra-red devices only measure the surface temperature of the tyre so will never give an accurate reading of the cord temperature. Most tyre engineers prefer the probe type for tyres as the probe gets down to the cord. At the cord, the tire heat is un-affected by outside factors and the surface rubber insulates the heat for long enough for you to take readings. It is the elastic stretching of the rubber near the cord that creates heat so this is the temperature that you need to measure. The bottom line is that probe type pyrometers are best for specific applications such as tyres.

Jet-Tech PRO and **Jet-Tech Kart SetUp** give you a facility to record your tyre temperatures. Knowing these temperatures is an extremely important factor in finalizing the settings for your Kart. Information regarding your Kart's castor, camber and weight distribution characteristics, rear axle, hub, wheel performance and general chassis geometry, can be obtained by understanding your tyre temperatures.



In addition to providing temperature readings, this device is also a fully functional electrical multi-meter, enabling you to check your Karts electrical system. This precision instrument has been developed to offer each racing team's technician, a unique instrument that combines all of the features and quality of a top line electrical multi-meter. The instrument enables testing and diagnosis of all electrical faults within your race engine or chassis electrical system.

The Jet-Tech Race Meter features full overload protection, a single 32-position rotary switch for range selection, auto power-off, low battery indicator, 2-position stand and a tough protective holster. It comes complete with fast-response pyrometer probe, electrical probes and a 9volt battery.

Technical Specification

Constructed to meet the highest standards in performance and durability. The components used in the Jet-Tech Race Meter comply to BSEN60584-2:1993. Standard Class 1 tolerances provide a high degree of accuracy and speed of response. Dual Slope A-D converter uses CMOS technology for auto-zeroing, polarity selection and range indicator.

Temperature Range: -30 to 1000°C in 1°C steps (+/-0.5°C)

Electrical Range: DC Volts 200mV to 1000V
AC Volts 2V to 700V RMS
DC Current 2mA to 10A
AC Current 20mA to 10A RMS
Resistance 200ohms to 200Mohms
Diode Test 1ma fixed current
Transistor (hFE) Test 100muA

Jet-Tech – the ultimate carburettor jetting and kart setup software.



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