

# bf1 systems Mini Analyser

The bf1systems Mini Analyser is designed to accompany all Tyre Pressure Monitoring System (TPMS) and InfraRed Tyre Pressure & Temperature Monitoring Systems (IRTPTMS) from bf1systems.

The Mini analyser is the perfect tool for an engineer wanting to set up and test their TPMS, or for a tyre engineer wanting to confirm tyre pressures and temperatures when the car leaves and enters the pits.

Utilising an RF receiver, as well as a Low Frequency (LF) transmitter, the Mini Analyser is able to interrogate wheel sensors mounted in wheels, or on rims with no tyres, to allow the user to see vital information such as tyre pressure, tyre temperature, sensor serial number and compensated tyre pressures.

The Mini Analyser also allows teams to create and edit Position (pos) files for their systems, without having to use a PC. The pos file created can then be downloaded from the Mini Analyser via the RS232 port and uploaded into the car's ECU.

The clear, easy to read display on the Mini Analyser whilst allowing the user to see detailed information on single wheel sensor, also allows the user to select a set of wheel sensors, and view tyre pressures or temperatures for the entire set, on the screen at once.

This is of particular use to tyre engineers wanting to know the tyre pressures and temperatures when the car enters and leaves the pits.

With the Mini Analyser in Live mode, the tyre engineer can stand at the edge of the garage, and when the car enters the box, the screen will automatically update to display the sensor data, meaning it is not necessary to manually check each tyre pressure, saving valuable time.

In addition to displaying information relating to the tyre, the Mini Analyser can display detailed diagnostic information from the sensor, including remaining battery life and sensor mode, allowing teams to ensure that all their wheel sensors are operating correctly at all times.



## Specification

### Electrical

- Operating Voltage – 9V (user replaceable PP3 battery)

### Environmental

- Operating Temperature Range – 20°C - +60°C
- IP Rating – IP50

### Display Information

- Individual Wheel Sensor Pressure
- Individual Wheel Sensor Temperature
- Wheel Set Pressures
- Wheel Set Temperatures
- Individual Compensated Wheel Sensor Pressure
- Wheel Sensor Serial Number
- Wheel Sensor Mode
- Wheel Sensor Remaining Battery Life

### Connections

- RS232 For Configuration

