

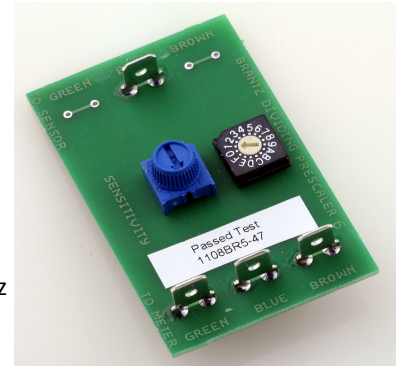
Brantz Pre-Scaling Interface (BR5)

The Pre-Scaling Interface (BR5) is intended to safely drive Brantz Tripmeters from digital pulse supplies found on vehicles fitted with digitally pulsed electronic speedometers, and as such, a substitute for other types of motion sensor. All Brantz sensors work on 5 volts where as most vehicles work at a higher 12 volts which may damage the Brantz Meter.

N.B. Most types of ABS sensors are suitable as inputs to the interface, although some ABS Systems do not generate a speedometer pulse until they reach a certain speed and are therefore not capable of accurate work. *(Please check with your vehicle manufacturer).*

Connections:

- The 3 push-on connectors on the Right of the interface labelled TO METER are colour coded to match the wires inside the GREY cable coming from the Brantz Meter or Brantz Plug Kit (BR43) – GREEN, BLUE & BROWN
- The Single push-on connector on the Left of the Interface labelled TO SENSOR and connects to the vehicle speedometer's digital pulse.



The rotary switch on the interface sets the pre-scale ratio/dividing multiple i.e. set on 2 it will divide the number of pulses from the vehicle to the Brantz Meter by 2. **It should initially be set on 1.**

The lower the pre-scale ratio, the more accurate the meter will be, but this facility is provided to compensate for very high pulse rates which would take the Brantz Meter out of its normal calibration range of up to 999 (or 9999 for the Laser 3).

If the meter calibration figure is out of range, rotate the arrow (using a very small screwdriver) up to 2 or (rarely) greater, and then re-try the calibration. **N.B. The ratio must always be greater than 0.**

Some models have a rotary SENSITIVITY control, this is normally set to a mid range position, this is with the arrow is pointing at the central right-hand connector. The sensitivity can be adjusted to accommodate different threshold levels of the speed pulse.

This interface could be damaged if it is not connected as per the above instructions or by being connected to a NON Brantz/Retrotrip Instrument.

Contact us: Brantz, 34 Union Road, Macclesfield, SK11 7BN, UK Tel/Fax: 0044 (0) 1625 669366 Website: www.brantz.co.uk v1.0

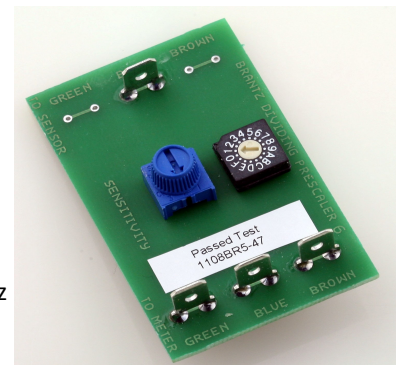
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