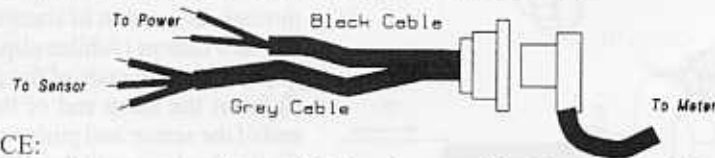


INFORMATION about accessories and peripherals (Sensors etc) for Brantz meters. Technical support from:
Brent Communications UK Tel No. (0) 1943 880499.

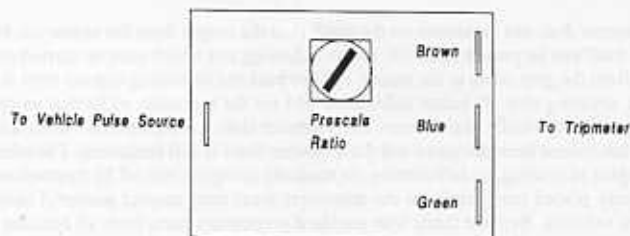
PLUG KIT (to enable the removal of Brantz meters from the vehicles for safe keeping, or to share one meter between several vehicles. Can be factory fitted or DIY). Wiring configuration of the four pin plug kit as fitted to Brantz meters: The pins are marked with numbers one to four on both male and female sections as follows: The female socket section is fitted to the vehicle and as supplied from the factory comes with a length of wiring, configuration as follows: The number one pin is connected to the two green/yellow wires, one of which is in the grey cable and one of which is in the black cable (this is the vehicle's negative power connection. Normally negative = Ground, but could be otherwise with historic vehicles, pre 1960). The number two pin is connected to the brown of the grey cable (this feeds +5volts from the meter to the sensor). The number three pin is connected to the blue wire in the grey cable (this is the digital signal wire from the sensor to the meter). The number four pin is connected to the brown wire in the black cable (this is the vehicle's +12volt power feed to the meter and should be fused at 2 amps). The male section of the plug kit is normally factory fitted to the meter (but DIY fitting should follow the above instructions) so that the only interaction a customer normally has is with the cables of the female section. The female section is connected to the vehicle as follows: The Black cable contains a green/yellow wire which connects to the vehicle's negative ground. The black cable also contains a brown wire which connects via a 2 amp fuse to a permanent +12volt supply which is not controlled by the ignition switch etc. If there is a blue wire in the black cable, ignore it. The grey cable goes to the sensor which is wired as per separate instructions relating to each type of sensor.

PLUG KIT DRAWING



BRANTZ PRESCALING INTERFACE:

This interface is intended to safely drive Brantz meters from digital pulse supplies found on vehicles fitted with digitally pulsed electronic speedometers or tachographs and as such, substitute for other types of motion sensors. Some types of ABS sensors are suitable as inputs to the interface. The three push-on connectors on the right of the device are colour coded to match the wires inside the GREY cable coming from the Brantz meter. The single push-on connector on the left of the interface will respond to digital ground pulses coming from the vehicle. Confirm suitability with a voltmeter before connecting the interface to the vehicle's pulse wire: Low signal = less than one volt, high signal is greater than 4 volts positive with respect to ground.



Analogue sources are not suitable. Check that the signal occurs at very low speeds as well as at normal driving speeds. The rotary switch on the interface sets the prescale ratio and should be greater than zero. The lower the prescale ratio is, the greater the meter accuracy 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. If the meter calibration is out of range, rotate the prescale ratio above the normal setting of ONE. Technical information: Drain on the vehicle's sensor is less than 0.5mA, TTL Compatible. Interface current consumption is less than 10mA.