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**WARNING**

DO NOT STARE INTO BEAM

**INSTRUCTIONS**

**INSTRUMENT TYPE:**

VLS/DA1

**TERMINATION:**

Black Wire

Output 0V

White Wire

Output (0 - 6V d.c.)

Green Wire

0V Supply

Red Wire

>+ 7.5V d.c.

Blue Wire

Connected to 0V Supply = Range 1 (0-6000)

Not connected = Range 2 (0-60,000)

**TECHNICAL SPECIFICATION:**

Optical Range

25 - 1000 mm

Optical Angle

45 degrees

Optical System

Minilamp

Power Source

+7.5 Volts d.c. 160mA

Analogue Output

0 - 6V for 0 to 6,000 rpm (Range 1)

0 - 60,000 (Range 2)

Update Time

Once per pulse

Speed Range

0 - 60,000 RPM

Accuracy

< 0.75%

Resolution

± 1.5 rpm (Range 1)

± 15 rpm (Range 2)

**N.B.**

Only connect the two 0 volts together at the Power Supply. This is to prevent any voltage drop along the 0 volts conductor causing a d.c. offset on the Output.