LAP TRIGGER

MT906/D

Infra-red track marker transmitter

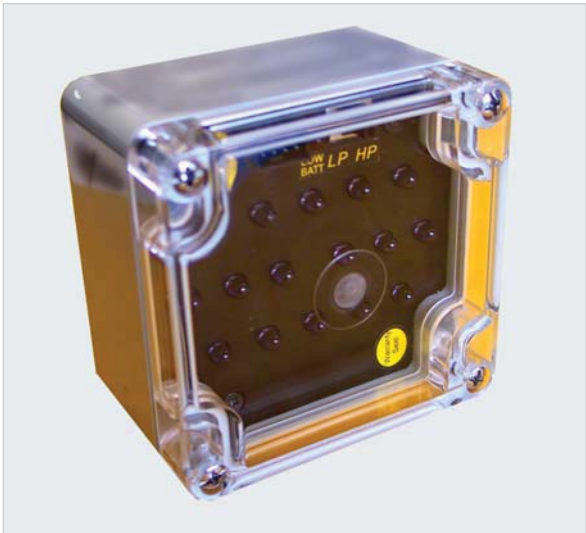
Description

The MT906/D is a 16-LED infra-red optical transmitter unit used in telemetry and data acquisition systems.

The device continuously transmits a coded infra-red signal to trigger the MT907/D on-board receiver which provides the data acquisition system with a spatial reference point.

Two transmission power levels are available, to adjust the coverage range according to the needs.

The unit is enclosed in a watertight polycarbonate container and has a low-battery/fail indicator lamp. Connection to an external battery (*not supplied*) is made via two leads ending with crocodile clips.



Main Features

- IR optical transmitter
- Coded binary sequence (team-code) modulator
- Low-battery/fail indicator

Benefits

- Two different power levels selectable
- Light, compact, robust design

Typical Applications

MotoGP

Professional circuit and rally applications

Race motorcycle application

Touring car

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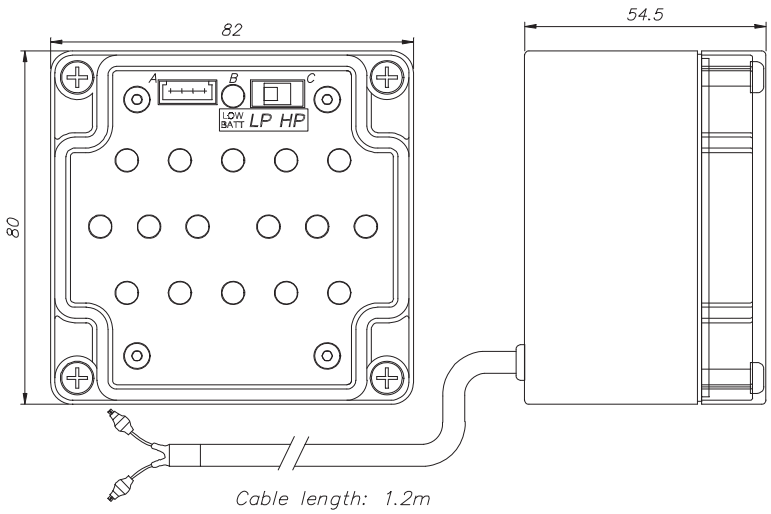
Dimensions



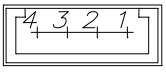
Dimensions in millimetres

Technical Characteristics

Range	1 to 25	m
Cone angle @ distance x		
x > 15 m	± 6°	
5 > x > 15 m	± 10°	
x < 15 m	± 40°	
Power supply (V DC)	10 to 15	V
Low battery warning lamp	< 11	V
Current @ 13.2 V		
high power	260	mA
low power	160	mA
Protection	polarity inversion	
	short to GND & Vbatt	
Ambient operating temperature	-20 to 70	°C
Battery connector	Crocodile clips	
Container	sealed polycarbonate	
Cable length	1.2	m
Dimensions (approx.)	82 x 80 x 54.5	mm
Weight (approx.)	260	g

Connector Pin Out

Transmitter MT906/D		
Pin	**Name**	**Description**
1	**N.C.**	Not connected
2	**ProgP**	Reserved MM
3	**ProgN**	Reserved MM
4	**GND**	Ground
Power		
Pin	**Colours**	**Description**
	RED	Power supply
	BLACK	Ground



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