

# The ANY-maze Photobeams



## Overview

The ANY-maze photobeams create an invisible infrared beam and detect when this beam is broken. The photobeams can be used in a wide variety of situations in behavioural tests, such as detecting when an animal passes through a door, detecting nose-pokes, detecting how far down a corridor the animal has travelled, etc.

## Details

- Work at up to 110cm separation.

- Photobeams plug directly into the ANY-maze Digital interface.
- Multiple beams can be mounted close together without cross-beam interference.
- Threaded cases make it simple to mount beams in an 8mm (0.3inch) diameter hole.
- Water resistant.

## Part numbers

60001-21 Single Beam (IR Emitter& Receiver)

60001-25 Set of 5

60001-20 Set of 10

## Technical specification

<b>Photobeam</b>	
Emitter type	Infrared LED
Receiver type	Phototransistor
Wavelength	880nm
LED forward voltage	1.5V
LED forward current (when connected to ANY-maze digital interface)	22mA
<b>Mechanical</b>	
Maximum emitter/receiver separation	110cm
Mounting hole	8.0mm (0.32")
Maximum panel thickness	12.0mm (0.47")
Minimum spacing	12.5mm (0.50") centre to centre
Cable length	200cm (6' 7")