



# MTR-1310

## Small Batch Reader



### Overview

The Small Batch Reader (**MTR-1310**) is an application specific RFID read/write tunnel for Magellan's PJM StackTag®.

It is intended for applications where it is necessary to read tightly stacked small items quickly and reliably.

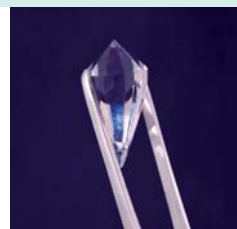
### Product Description

The **MTR-1310** is a single axis small tunnel reader designed to read and write up to 200 PJM StackTag® simultaneously.

The **MTR-1310** is well suited to meet the needs of the diamond or healthcare industry where the frequent taking of inventories to locate, refill or control items is important.

The **MTR-1310** features:

- Operates with PJM StackTag® or PJM ItemTag®
- Aperture of 130 mm wide and 100 mm high
- Reliable identification and read up to 200 stacked items tagged with PJM StackTag® labels in less than 1 second
- No interference between multiple tunnels placed in close proximity to each other
- Fast operation on 2 reply channels
- A powerful processing platform allowing for stand-alone reader operation
- Very good connectivity offering both Ethernet and USB interfaces
- One-hand carry
- Complies with ISO/IEC 18000-3 Mode 2



## Specifications

- Read and write operations
- No manual calibration needed
- No user-serviceable parts
- ISO/IEC Compliance: 18000-3 Mode 2
- Operating Frequency 13.56 MHz
- Internal Aperture: 130 x 100 mm
- External Dimensions (L x W x H): 310 x 168 x 166 mm
- Net Weight: 1.5 kg



- Operation Range: Internal Volume
- Low Voltage Input: 12 VDC @ 500 mA
- Operation environment: Indoor use
- Temperature range: +10°C to +45°C
- Humidity: 10% to 80% (non-condensing)
- Minimum Host Computer Requirements:  
Windows XP SP2/ 500 MHz CPU/ 128MB RAM
- Host Interface: USB and Ethernet

- Command Data Rate of 424 kbit/s
- Reply Data Rate of 106 kbit/s per channel
- Number of Axes: 1
- Number of Reply Channels: 2
- Tag Type: PJM StackTag® and PJM ItemTag®



For further information on technology, delivery terms and conditions and prices please contact your nearest Magellan Technology office:

Magellan Technology Pty Ltd  
65 Johnston Street  
Annandale NSW 2038  
Australia  
Phone: +61 2 9562 9800  
Fax: +61 2 9518 7620  
info@magtech.com.au

Magellan Technology Europe Ltd.  
Units 7 & 8  
Parker Court, Dyson Way  
Staffordshire Technology Park,  
Beaconsfield  
Stafford ST18 0WP  
UK  
Phone: +44 1785 218540  
Fax: +44 1785 218541  
info@magellan-rfid.com

### About Magellan

Magellan Technology Pty Ltd, Sydney, Australia, is a technology developer, manufacturer and licensor of advanced read/write 13.56 MHz RFID systems. Magellan designs and offers RFID chips, inlets, a complete portfolio of reader/writers and operating software. Magellan's Phase Jitter Modulation (PJM) technology complies with the International Standard ISO/IEC 18000 Part 3 Mode 2.

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