

## Tri-Axial Transient Shock Data Logger

OM-CP-TSR101  
Basic Unit  
**\$599**



- ✓ 3-Axis Shock Recorder
- ✓ Built-In Accelerometers
- ✓ Measures Dynamic and Static Acceleration
- ✓ Programmable Start Time
- ✓ Compact and Reusable
- ✓ Optional Password Protection
- ✓ High Speed Download (115,200 baud)

The OM-CP-TSR101 is a battery powered, stand alone 3-axis shock data logger. The OM-CP-TSR101 measures and records instantaneous shock levels when the user-selectable shock levels have been exceeded. There are 15 rates to chose from ranging from 1024 to 1 Hz.

The OM-CP-TSR101 is valuable in characterizing environments such as packaging and fragility assessment (drop testing), break and crash testing, and shipping validation. This is an all-in-one compact, portable, easy to use device that will measure and record approximately 349,000 measurements per axis.

The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere.

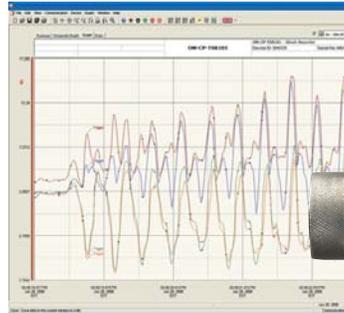
The OM-CP-TSR101 makes data retrieval quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.

### Specifications

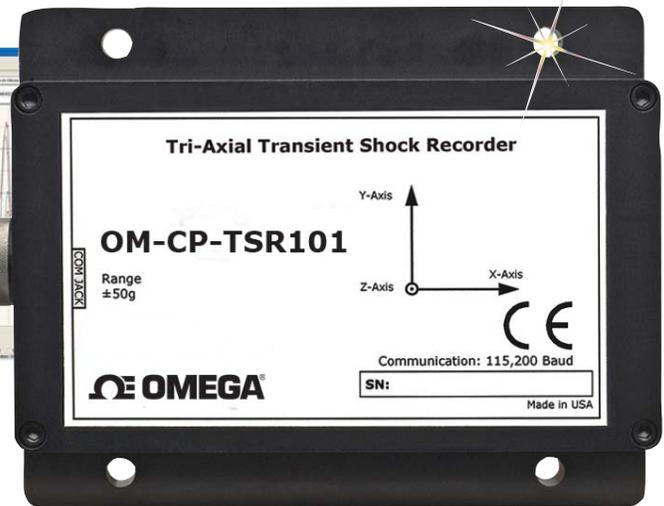
**Channels:** Shock (3-axis)

**Acceleration Type:** MEMS semiconductor

Acceleration Range (g)	±5	±50	±100
Calibrated Accuracy (g)	±0.2	±1	±2
Acceleration Resolution (g)	0.01	0.05	0.1g



OM-CP-IFC110, \$99, Windows software displays data in graphical or tabular format.



OM-CP-TSR101-50, \$599, shown smaller than actual size.

### Reading Rate Range:

15 options from 0.976 ms/1024 Hz to 1 second, selectable in software

**Trigger Specifics:** User settable trigger levels on X, Y, and/or Z axis, and specifies # of samples after triggers

**Pre-Trigger Specifics:** Records a pre-trigger of up to 50 readings prior to the trigger point

**Frequency Response:** 0 Hz to approx. 400 Hz (50, 100 g) [0 to 512 Hz (5 g)]

**Real Time Recording:** May be used with PC to monitor and record instantaneous acceleration in real time (only at 1 second rate, not possible during logging)

**Start Modes:** Software programmable, immediate start or delay start up to 180 days in advance

**Password Protection:** An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password

**Calibration:** Digital calibration through software

**Calibration Date:** Automatically recorded within device

**Power:** 9 V lithium or alkaline battery (included), user replaceable

**Battery Life:** 7 days typical with lithium battery, immediate start, 1024 Hz

**Data Format:** Date and time stamped, G and mG

**Time Accuracy:** ±1 minute per month at 20 to 30°C

**Computer Interface:** USB or serial interface (cable required) 115,200 baud

**Software:** WIN98/NT/2000/XP/VISTA 32-bit (VISTA 32-bit version only; VISTA 64-bit is not supported)

**Operating Environment:** -20 to 60°C (-4 to 140°F)

0 to 95% RH non-condensing

**Dimensions:** 89 H x 112 W x 26 mm D (3.5 x 4.4 x 1.0")

**Weight:** 340 g (12 oz)

**Material:** Anodized aluminum

**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-TSR101-5	\$599	Tri-axial shock data logger, ±5 g range
OM-CP-TSR101-50	599	Tri-axial shock data logger, ±50 g range
OM-CP-TSR101-100	599	Tri-axial shock data logger, ±100 g range
OM-CP-TSR101-250	599	Tri-axial shock data logger, ±250 g range
OM-CP-IFC110	99	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	20	Replacement 9V lithium battery

Comes with complete operator's manual and 9V lithium battery. The OM-CP-IFC110 Windows software includes RS-232 cable required to operate the data logger (software sold separately).

**Ordering Example:** OM-CP-TSR101-5, tri-axial shock data logger and OM-CP-IFC110, Windows software and RS-232 cable, \$599 + 99 = \$698.

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