

# Advent Laser Optical/Contact Tachometers A2109/LSR

## Intrinsically safe Hand Tachometer

### Two Laser light source versions

- Model A2109/LSR for measurement only
- Model A2109/LSR/002 for measurement and pulse output facility

The very high level of certification EEx ia IIC T4 - ATEX II 2 G, allows use in a wide range of hazardous environments in petrochemical, Gas & volatile materials processing industries.

The Advent Tachometers very comprehensive operational features provide the user with the ultimate in Optical & Contact speed monitoring not previously possible in hazardous areas.

### Display Features

Vertical display  
Inverting Mode  
Large LCD

### Special Features - Capture mode

Max/Min Captures max speed in 0.1 secs  
Min/Max holds min. reading during a measurement  
Fast timebase 0.1 seconds in Capture mode  
Average Averages over last 8 readings

### Optical system - A2109/LSR

Light source Laser class II  
Range 100 - 2000mm  
Angle +/- 80 deg.  
Wavelength 655nm  
Power output 1mw

Certificate of calibration.

### Contact measurements

With A2100/01 Adaptor fitted (supplied)  
rpm, rps, Metres, Feet, Yards per min or per second or total revolutions or length.

### Signal Output features - A2109/LSR/002

Pulse Output facility - 5v Pulse output. Output via socket on rear of housing, supplied with 2 metre BNC output cable.

- Pulse output facility
- Tripod bush
- Signal output cable - 2 metres free ends
- Remote on/off via cable

General Specification	
Speed range	3 - 99,999 rpm or rps equiv.
Resolution	max. in autorange 0.001
Accuracy	0.02% of reading +/- 1 digit
Update	0.8 sec
Capture mode	0.1 sec
Count	0-99999 revs or
Time interval	0-99999 secs (auto)
Memory hold	Holds last reading 1 minute
On target ind.	Yes
Low battery ind.	Yes
Operating temp	-20 to +40 deg C
Storage temp.	-25 to +70 deg C
Contact adaptor	Supplied
Housing material	High flow ABS - Metalised
Carrycase	Supplied
Battery Power	4 x AAA Procell Alkaline batteries supplied
Reflective Tape	Pack of tape supplied
Certificate	Calibration certificate Inc.
Dimensions	L 21cm x W 4cm x D3.5cm
Weight(kit)	0.4 Kg



Order Codes	Description
A2109/LSR	Laser light source
A2109/LSR/002	Laser light source +