



## *Declaration of Conformity*



We, Intercomp Company  
3839 County Road 116  
Medina, Minnesota 55340 USA

Declare under sole responsibility that the Mechanical Turn Plate to which this declaration relates meets the essential health and safety requirements and is in conformity with the relevant EC Directives listed below using the relevant section of the following standards and other normative documents.

2001/95/EC - on general product safety  
2006/42/EC - on machinery, and amending Directive 95/16/EC (recast)

This product complies with all safety-relevant provision referring to protection against electrical hazards and other hazards, such as mechanical hazards, fire hazards, noise and vibration. The safety issues of this measurement equipment have been evaluated under the self-certification provisions of the relevant directives.

The related technical construction files are held for inspection in the U.K. at Intercomp Europe Limited.

The CE mark and WEEE marks must be affixed as required in the directives.

A handwritten signature in black ink that reads "Mark Browne".

Mark Browne / Quality Manager  
June 26, 2014

# Mechanical Turn Plate Users Manual

## Specifications

### Performance

Accuracy:	$\pm 0.25$ degrees
Range:	0-30° each direction

### Physical

Dimensions:	Base: 17" X 15" X 1.625" / 43cm X 38cm X 4cm
Weight:	22.5 lb / 10.2 kg

## User Tips

### Measuring Caster

When measuring caster, it is important to turn the wheel equidistant both fore and aft. For example, if the wheel is turned 15° left from the straight position, it should then be turned 15° right from the straight position. Turning the wheel 15° one direction, then 20° the other will give a false caster reading.

### Measuring Ackerman

Ackerman is the relationship of the turning ratios between the two front tires. The left front tire on a circle track car for example, will generally turn quicker than the right front tire. When the left front is turned 10°, the right front may only turn 8°. This is because the inside tire is tracking on a tighter radius circle than the right front, so it needs to turn more to reduce scrub.

## How to reach Intercomp Service

Contact the Service Department and convey that your product is a Mechanical Turn Plate. Know the date of purchase, purchase place and serial number before calling.

For Intercomp Service call: (763)-476-2531, **1-800-328-3336**  
or FAX # (763)-476-2613

[www.intercompracing.com](http://www.intercompracing.com)