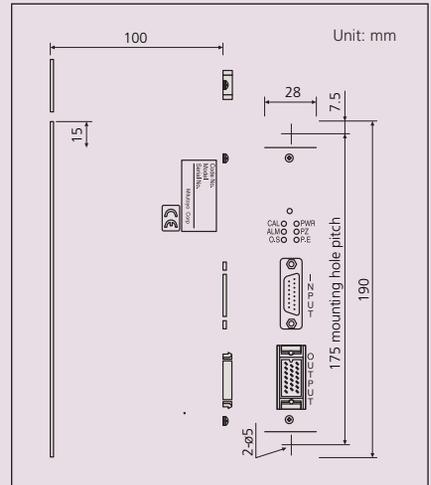


Willrich Precision
 Ph 866-945-5742
 email: sales@willrich.com



MICSYS-SA1 2D Image Correlation Encoder

SERIES 549

FEATURES

- High accuracy non-contact 2D encoder using image correlation.
- Simultaneous X-Y position measurements.
- Nanometer resolution.
- Easy alignment.
- Allows minute strain measurement and deflection measurement.

Applications

1. Evaluation of stages used in manufacturing equipment and inspection systems

a) Evaluation of position repeatability

b) Evaluation of standstill stability and drift
2. Highly accurate positioning of workpieces
3. Measurement of minute displacement

a) Measurement of minute displacement of a structure

b) Measurement of minute displacement of a workpiece



Technical Data

Effective range:	±100μm (2D)
Accuracy (at 20°C):	±100nm
Resolution:	1nm
Working Distance:	10±0.2mm
	(Including thickness of standard target: 6.1mm)
Linearity (at 20°C):	80nm
Repeatability (at 20°C):	5nm