

Long Range and Extra Long Range Indicators

For applications where extended measuring range is needed or spindle retraction is necessary.



Technical Data

Long Range/Extra Long Range (Inch)

Dial: soft-green tint

Long Range

Measuring range	Graduation value	Dial style	Range per revolution	Accuracy	ANSI/AGD Group	Model number	Order number
.500"	.0001"	0-10	.010"	.0001"	4	42IQ	42IQ **
.500"	.001"	0-100	.100"	.001"	2	28IQN	2014699
1.000"	.001"	0-100	.100"	.001"	2	28ISN	2014698
1.000"	.001"	0-100	.100"	.001"	3	D8IS	D8IS
1.000"	.010"	0-100	1.000"	.010"	2	29I	2014816

Extra Long Range

2.000"	.001"	0-100	.100"	.001"***	3	D8IT
3.000"	.001"	0-100	.100"	.001"***	4	E8IU

* for first 2-1/2 revolutions only.

** hysteresis = 0.0002" for full range

*** for first 1 inch of travel.

Long Range/Extra Long Range (Metric)

Dial: yellow tint

Long Range

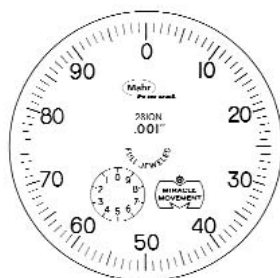
25.000	0.010	0-100	1.000	.020	2	SP6IS
25.000	0.010	0-100	1.000	.020	3	SQ6IS

Extra Long Range

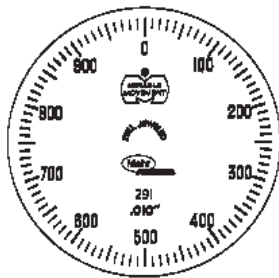
50.000	0.025	0-25	2.500	.025****	3	Q8IT
75.000	0.025	0-25	2.500	.025****	4	R8IU

**** for first 25mm of travel.

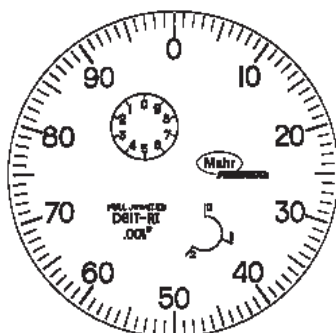
Dial Styles for Long Range and Extra Long Range Indicators



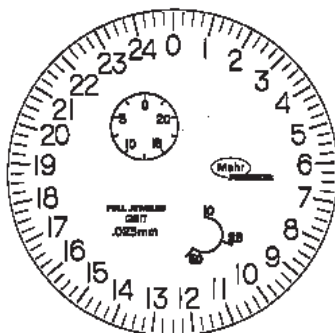
28IQN, 28ISN & D8IS



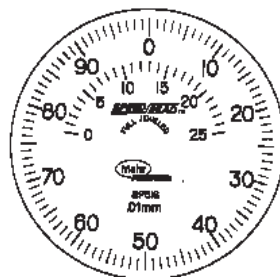
29I



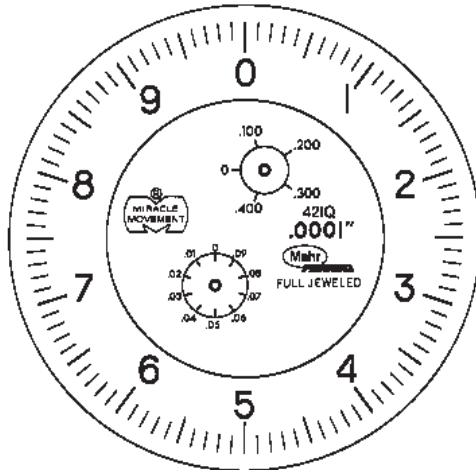
D8IT & E8IU



Q8IT & R8IU



SP6IS & SQ6IS



42IQ

- Normally furnished: continuous clockwise dial; centered vertical lug back; regular contact point, .18in radiused, .250in long.

- Long Range Models: include (1) revolution counter (except C9I without revolution counter). Extra Long Range Models: include (2) revolution counters.

- For other dial styles or special requirements - call Mahr Federal.

- Indicator dimensions are located on pages containing individual ANSI/AGD descriptions.

- **Contact Points** - [click here](#)

- **Backs and Mounting Brackets** - [click here](#)

- **Accessories** - [click here](#)

Ordering Information

In addition to the information provided above, [click here for complete instructions on ordering](#) your dial indicators and accessories.

Dial Indicator Modifications & Specials

Available to meet specific requirements.

- Special Ranges
- Restricted Hand Travel
- Special Dials
- High Temperature
- Special Contact Points
- 8mm Stem Diameters Special Lengths
- Specified Contact Load

- Counter-clockwise Movement
- Special Stem Lengths
- Push-Down Action
- Special Ratio Movement
- Threaded Stems