



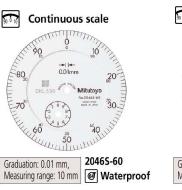
# Mitutoyo 20465-60

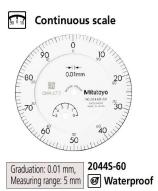
# **Dial Indicators**

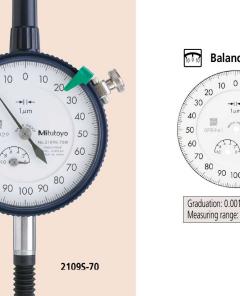
Comparison measuring instruments which ensure high quality, high accuracy and reliability.

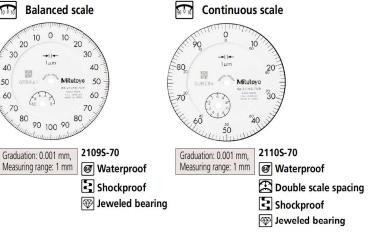
# SERIES 2 — Waterproof Type, 0.01 mm & 0.001 mm Graduation

- Waterproof type dial indicators having a bezel with an outside diameter of 57 mm.
- O-rings and rubber bellows are used to prevent water and oil penetration.
- All types come with limit markers and a bezel Application of a hard coating on the surface clamp as standard.
- The bezel clamp can be attached to either the right or left side. These parts can be easily installed and removed without tools.
- The stem and spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.
- A carbide contact point is used.
- of the crystal makes the gage highly scratchand chemical-resistant.







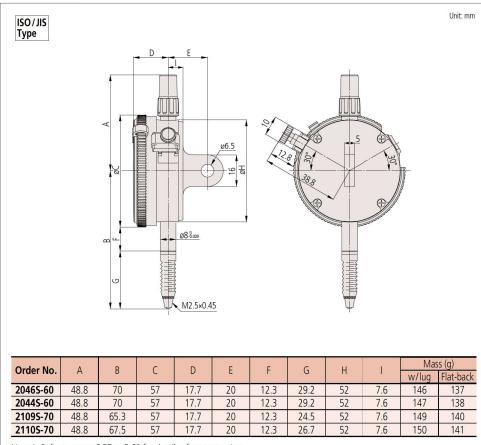




# **Dial Indicators**

Comparison measuring instruments which ensure high quality, high accuracy and reliability.

### **DIMENSIONS**



Note 1: Refer to pages F-57 to F-60 for details of contact points.

Note 2: If the contact point of the waterproof model is replaced, the water resistance cannot be guaranteed.

## **FEATURES**

Metric							
Orde	3	3					
w/lug	Flat-back	90 ° 10	10 0 10	5	<b>a</b>		
2046S-60	2046SB-60	~			~		
20445-60	2044SB-60	~			>		
<b>2109S-70</b>	2109SB-70		~	~	>	~	
2110S-70	2110SB-70	~		~	>	~	~

### **SPECIFICATIONS**

Metric						ISO/JIS type						
Order No.		Craduation	Range	Maximum permissible error (			MPE) (µm)	)	Dial	Manaurina		
w/lug	v/lug Flat-back	Graduation (mm)	(range/rev)	Indication error 1/10 Rev 1/2 Rev 1 Rev Measuring range			Hystorosis	Repeat-	reading	Measuring force (N)		
writing				1/10 Rev	1/2 Rev	1 Rev	Measuring range	Tiysteresis	ability	reading	TOICE (IV)	
2046S-60	2046SB-60	0.01	10 (1)	5	9	10	13	3	3	±0-100	2.5 or less	
2044S-60	2044SB-60	0.01	5 (1)	5	9	10	12	3	3	±0-100	2.5 or less	
2109S-70	2109SB-70	0.001	1 (0.2)	2	3	4	5	2	0.5	0-100-0	2.0 or less	
2110S-70	2110SB-70	0.001	1 (0.1)	2	3	4	5	2	0.5	±0-100	2.0 or less	

Note: Completed products inspection is performed in the vertical orientation (contact point downward) and the stated accuracy is guaranteed.

