



# PRECISION DOUBLE-FORCE WATERPROOF IP67 CALIPER MICROTECH



ISO/IES 17025:2006 (cert. № 4K051)



Quality management system  
ISO 9001:2015 (cert. № U228396)





# 1.MODIFICATIONS

Item No	Range		Resolution		Accuracy	Jaw	Measuring force		Protection class	Carbide tips	Digit height	Calibration
	mm	inch	mm	inch			External	Internal				
141078122	0-150	0-6"	0,01	0.0005"	±10	40/16	8	8	IP-67	-	11,5	+
141078222	0-200	0-8"			±10	50/17	8	8	IP-67	-	11,5	+
141078322	0-300	0-12"			±10	60/20	8	8	IP-67	-	11,5	+
MODIFICATION WITH CARBIDE JAWS												
141078122C	0-150	0-6"	0,01	0.0005"	±20	40/16	8	8	IP-67	+	11,5	+
141078222C	0-200	0-8"			±20	50/17	8	8	IP-67	+	11,5	+
141078322C	0-300	0-12"			±20	60/20	8	8	IP-67	+	11,5	+

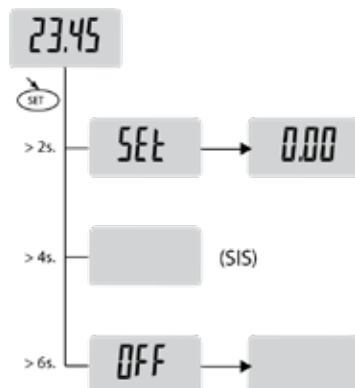
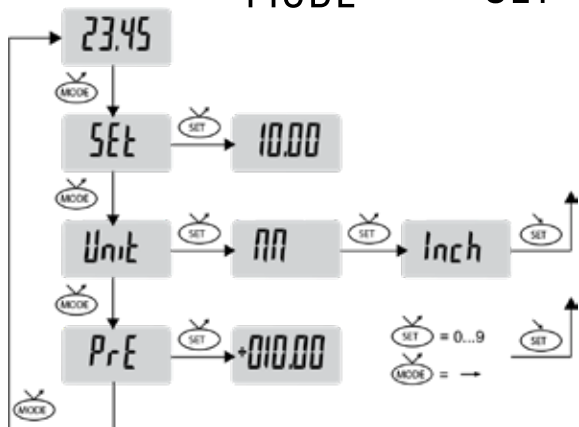
# 2.BUTTON FUNCTIONS & BATTERY REPLACEMENT



MODE      SET



BATTERY REPLACEMENT





## 3. OPERATION INSTRUCTIONS

- 3.1 Wipe with a clean cloth, soaked in gasoline, measuring surface of the frame and gauge calipers to remove anti-corrosion oil. Then wipe them with a clean dry cloth.
- 3.2 If necessary, open the battery cover; insert the battery (type CR2032) according to the polarity of the electrodes. Blinking display information or absence suggests replacing battery.
- 3.3 Check the zero setting of the caliper. Sum the measuring jaws to contact with each other. Force is generated with a measuring force indication. To create the recommended force (8N) by the block adjustment and press SET button.
- 3.4 During the measurement, measuring jaws should to sum to the measured object without knocking.
- 3.5 During the measurement avoid warps of measuring surfaces of the instrument. Measuring surface must be fully in contact with the measurement object.
- 3.6 Optimal measuring force for this size caliper  $8 \pm 2N$ . During a measuring process control optimal measuring force on Measuring force indication window.
- 3.7 After finishing work wipe the measuring surfaces of the caliper with a cloth soaked in gasoline and apply anticorrosion oil.



## WARNING!

**IN THE PROCESS OF WORKING WITH CALIPERS SHOULD BE AVOIDED:**

**Scratches on the measuring surfaces;**

**Measuring the size of object in the process of machining;**

**Shocks or dropping, avoid bending of rod or other surfaces.**

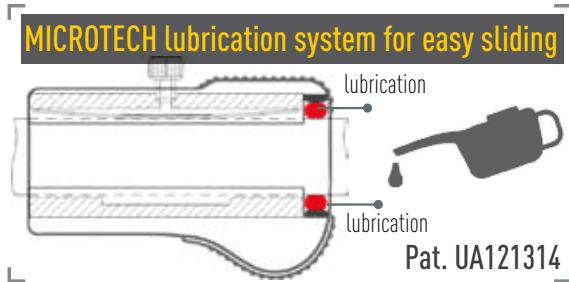
## 4. DIGITAL BLOCK CHARACTERISTIC

Item No	Range
	mm
Repeatability	10 $\mu$
Max slider speed	max 2,5 m/s
Display refresh rate	>10/s
Mean power consupt.	45 $\mu$ A
Battery life	8000 h
IP specification	IP67 (IEC60529)





# 5.LUBRICATION SYSTEM



# 6.INSTRUMENT FIGURE

