

# Mecmesin

## Analogue Push Pull Gauge

**SL & AN Series**

**User Manual**



# Contents

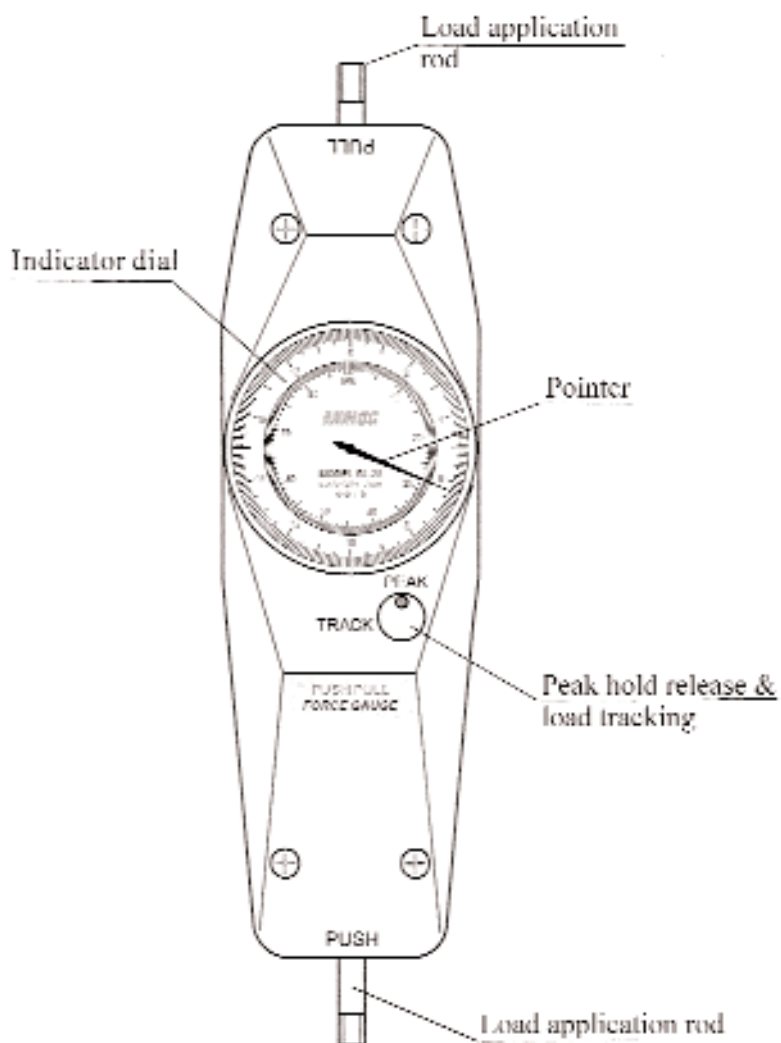
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# 1. TECHNICAL SPECIFICATION

Model	SL-2	SL-10	SL-20	SL-50	SL-100
Range	2lb	10lb	20lb	50lb	100lb
Graduation	0.01lb	0.05lb	0.1lb	0.2lb	0.5lb
Accuracy	$\pm 2\%$				
Stroke	10mm				
Work temperature	$20 \pm 10^{\circ}\text{C}$				
Carry temperature	$-27^{\circ}\text{C} \sim +70^{\circ}\text{C}$				
Relative humidity	15% ~ 80% RH				

## 2. REFERENCE DIAGRAM



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### 3. PREPARATION BEFORE TEST

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Choose appropriate accessory and attach to gauge

a) Pull Test

Choose test hook and attach to the load application rod marked **[PULL]**.

b) Push Test

Choose appropriate accessory from items supplied and attach to the load application rod marked **[PUSH]**.

c) Use of extension rod

The extension rod can be used on either the **[PUSH]** or **[PULL]** application rod.

**NOTE:**

**When using the extension rod ensure that the load is applied axially to the gauge in order to maintain the accuracy.**

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### 4. OPERATION OF PEAK HOLD RELEASE AND TRACKING BUTTON

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a) **[PEAK]** change to **[TRACK]**

Press button while at the same time rotating anti-clockwise until the **[TRACK]** is reached.

b) **[TRACK]** change to **[PEAK]**

Turn button clockwise until the **[PEAK]** position is reached.

c) After Testing

After testing is complete return the button to the **[PEAK]** position, this helps to extend the life of the internal mechanism.

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### 5. ADJUSTMENT OF INDICATOR DIAL

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a) Ensure that the indicator dial is rotated to 0 for the start of the test. This can be achieved by turning the indicator dial clockwise or anti-clockwise depending on the initial position.

b) When using the gauge vertically ensure that the indicator dial is rotated to 0 after any accessories have been attached.

**NOTE:**

**Ensure that the capacity of the gauge to be used is suitable for the application. If the gauge is constantly taken over its designed operating range it may sustain damage and the reading will be unreliable.**

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## 6. HAND-HELD TESTING

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If using hand held ensure that the gauge is tightly held and that the load is applied axially to the centre line of the gauge to maintain accuracy.

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## 7. PEAK HOLD AND LOAD TRACKING POINTER

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**[TRACK]** The pointer follows the load applied to the gauge.

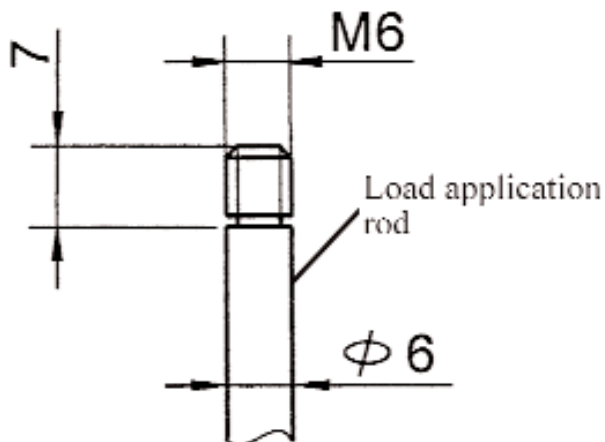
**[PEAK]** The pointer will stop at the maximum load applied during the course the test. Press the release button to return the gauge to [0].

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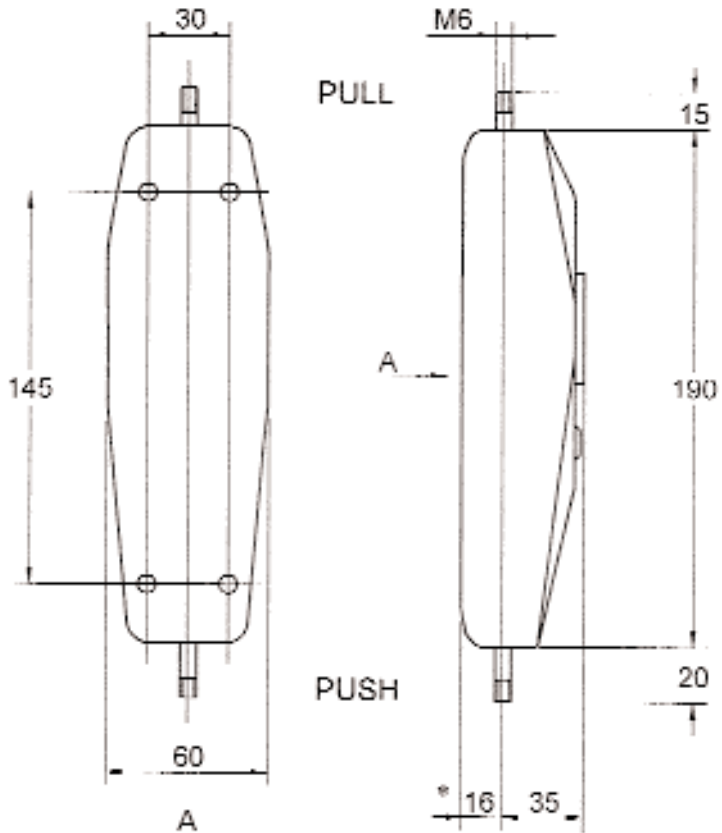
## 8. ACCESSORIES

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The unit is supplied with a range of standard accessories. Should your application require a special fixture please contact your Mecmesin supplier who will be pleased to review your requirement.



## 9. ACTUAL DIMENSIONS



Please note that if you wish to use the gauge with a Mecmesin test stand then an additional bracket will be required. This will increase the \* dimension by 13.5mm approximately.

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## 10. MAINTENANCE

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- a) Ensure that any accessory used has the necessary rated capacity other wise the gauge, operator or sample could be damaged.
- b) When using on a Mecmesin test stand, please use the 4 x M3 screws provided to secure the mounting bracket (Part No 408-471-F99).
- c) Do not apply load exceeding the rated capacity of the gauge.
- d) Do not use your gauge in a place of low or high temperature and humidity please see specification table for recommended operating environment.

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## 11. PACKAGING CHECKLIST

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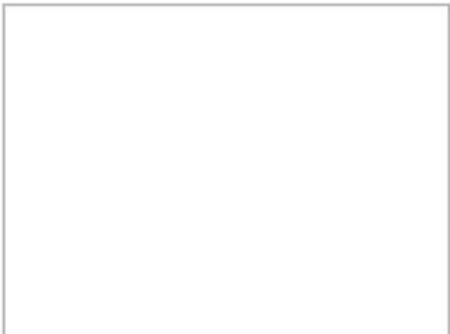
Name	Quantity
Analogue Gauge	1
Extension Rod	1
Hook	1
Compression Plate	1
Cone Point	1
Inverted Chisel	1
Chisel Point	1
M3 Screws	4
User Manual	1
Calibration Certificate	1











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