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Revised Manual:  
Maximum working pressure 250 bar  
Never use a dowty seal for fitting this gauge  
Never use this gauge on a HPA compressor  
Thighten by hand. Do not overthighten

**SEKHMET®**

**SEKHMET®**

**SmartGauge 28 Pro**

OWNER'S MANUAL

## DATA SHEET

### SmartGauge 28 Pro

#### FEATURES

- Accurate digital pressure reading
- Multi Smart functions
- Rechargeable High-Capacity Battery
- MEMS Sensor for excellent shock resistance
- Sealed case prevents dust, water, and corrosion

#### TYPICAL USES

- Internal/External Regulator
- Adjustable Regulator
- Main Chamber/Pressure Tank
- Specialized OEM equipment



**1.1 Dial Size**  
28mm dial size

#### SPECIFICATIONS

Accuracy:	±0.25%FS over +10 to +40 deg C (+50 to +104 deg F) ±0.5%FS over -10 to +80 deg C (+14 to +149 deg F)
Sizes:	1.1" (28mm)
Repeatability:	Better than 0.5%
Range:	30 - 250 bar (435 - 3625 psi)
Process Connection Location:	Back
Process Connection Size:	1/8 BSP Male
Dial:	White figures on black background
Display:	0.49" OLED
Sampling Rate:	10Hz
Approvals:	High Pressure Gas

## COMPONENTS

Case	Window	Restrictor
6061-T6	Polycarbonate	Safety plug

## MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
SmartGauge 28 Pro	23°F to 104°F (-5°C to 40°C)	-4°F to 150°F (-20°C to 65°C)	41°F to 77°F (5°C to 25°C)

## KEY BENEFITS



Get real accurate  
air pressure instantly



No parallax  
No drift errors



Better shock  
resistance



Good for  
old eyes

## Pro Owner's Manual

## NAME OF EACH PART

- Display Area
- Touch-Key Area: Three touch button
- Magnetic Charging Connector: 5V In
- Snubber: To protect pressure sensors and pressure gauges against pressure surges, if it is loose, use a screwdriver to tighten it.
- Vent Hole: Explosion-proof do not block this hole.





**WARNING**

**SEKHMET**  
Airgun Accessories

- WORKING ON A HIGH PRESSURE RIFLE COULD POTENTIALLY BE HARMFUL OR LETHAL TO YOU OR BYSTANDERS IF YOU DO NOT KNOW WHAT YOU ARE DOING.
- DO NOT ATTEMPT TO INSTALL THIS GAUGE IF YOU ARE NOT SKILLED TO WORK ON AN AIRRIFLE, CONTACT YOUR LOCAL GUNSMITH TO DO THE FITTING.
- YOUR RIFLE MAY NEVER BE FILLED HIGHER IN PRESSURE AS STATED IN YOUR RIFLE'S MANUAL.
- WE CANNOT BE HELD LIABLE FOR ANY ACCIDENTS IN RELATION TO THIS GAUGE AND ITS INSTALLATION.
- INSTALLATION AND OPERATION IS DONE COMPLETELY AT YOUR OWN RISK.
- DO NOT USE THE DOWTY SEAL. IT WILL REDUCE THE GAUGE'S RESISTANCE OF PRESSURE AND CAN BE HARMFUL & DANGEROUS



**WARNING**

**SEKHMET**  
Airgun Accessories



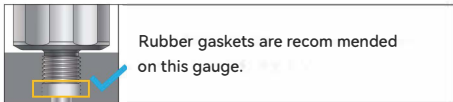
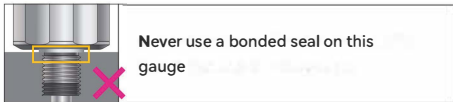
**DO NOT  
USE THE  
DOWTY SEAL  
AT THE TOP**

**USE only  
1 O-RING  
SEAL AT  
THE BOTTOM**

- USE OF DOWTY SEAL WITHOUT AUTHORIZATION INVALIDATES WARRANTY. MISUSE OF DOWTY SEAL MAY RESULT IN INACCURATE PRESSURE READINGS, DEFORMATION, OR EVEN EXPLOSION. WE ARE NOT LIABLE FOR ANY CONSEQUENCES ARISING FROM SUCH MISUSE.
- DO NOT OVERTIGHTEN THE GAUGE! TIGHTEN THE GAUGE BY HAND OR USE A SPANNER AND USE VERY LOW FORCE.

## INSTALLATION

- Before install the gauge on your air gun, choose the seal component properly.



Degassing your air rifle before installation Make sure the airgun is unloaded, uncocked, ON SAFE and pointed in a safe direction.



## FIRST TIME USE

- For first time use after unpacking, charge the gauge using USB cable for at least 20 minutes. \* The USB cable is at the bottom of packaging.

It takes one hour to fully charge this device from zero battery, and if the screen keeps on, the battery last for 24 hours. In most cases, the gauge works with a black screen or just sleeps. So basically, you can recharge it once two or three months, depends on the using frequency.

The extreme battery life will be at least 400 days without using in one charge cycle.

To display the current battery, tap the Middle Key to wake up the gauge, it shows 0 bar, then touch & hold the Middle Key.



## DISPLAY & MODES

Enter the menu.

① After waking up the gauge by touching the middle key.

② Long touch the right/left touch key in the main interface



- Simple Mode: the main interface shows current pressure and the number of shots at the upper right corner.
- The gauge counts the number of shots by identifying pressure drops. If you place the gauge on regulator, it would only be able to display reg pressure it wouldn't be able to do shot count. For shot count it need to be on the bottle/main chamber gauge.
- Temperature drop after filling will add the number of shots. If recording too many datas or error counting, the screen will flash with gibberish like pictures below. The little 15 under 139 which means you recorded 1015 times of data already, please

try to clear data and the problem should be solved.



### ■ Two methods to clear the number of shots:

① Combination key: Touch and hold the Middle key and then touch the Right key in pressure display. This only works in pressure display.



PRESSURE DISPLAY

②Filling: Pressure rises over 30bars in one time.

- Due to above reasons, the regulator gauge can only read the pressure without counting the number of shots.
- Pro Mode: Switch off Simple mode in the menu. In this mode you will get three more displays: Shot Left / Last Shot Pressure Drop / Average Pressure Drop.
- LEFT SHOT: Remaining shots.
- <<: Last air consumption.
- AVG: Average air consumption
- **Regulator Mode:** If you place the gauge on the regulator, the Regulator mode is recommended. The shot count function/Clear data by pressure rising part is disabled in this mode. It displays the same information as a simple mode, and there is no other option to cycle through different screens, only the current pressure screen. The main difference between the regulator and

simple modes is the Filter Function. In contrast, the pressure in the regulator chamber changes rapidly; it requires a unique software data filter for a stable display. A regulator gauge with a simple mode may get stuck in some extreme cases.

### Functions in the Menu

- Fill wake up: This function allows the gauge to identify the pressure rise and automatically turns on the screen when the device is powered. After power off, this function doesn't work to extend battery life. Also filling a tank with a hand pump or small pump which fills your gun too slow could not trigger this feature too
- Power Off: Set Auto Shutdown time, any operation will refresh the countdown.
- Screen Off: Set Auto Display Turn Off time, any operation will refresh the countdown.

- Data Clear: Clear the shot counts.
- P-minimum: Manually give this gauge a regulator pressure you have set to calculate the left shots with the main reservoir pressure, it only works for the main reservoir gauge.
- Rotate Screen: To adjust different installing angle, this function could rotate the display 180 degrees.
- Wake by Shot: This function allows the gauge to identify the pressure drop and automatically turns on the screen when the device is powered. After power off, this function doesn't work to extend battery life. It is possible to trigger this function by slowly leaking.
- Pressure Unit: switch units between PSI and BSR.
- Device Info: check the software version.
- Temperature: Turn on the temperature display.
- Temp Unit: switch units between °F and °C.

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