

# YELLOW JACKET® Digital Solar Gauge Manual Update



**Manual updated to clarify the correct type of screwdriver to be used when turning the rotary switches.**

- There are two rotary DIP switches located at the top of the gauge's front panel (see Fig. 1). Use a small slotted blade tip screwdriver to turn the switches to the desired position. To avoid damage to the plastic housing and switches, do not use a screwdriver larger than 1/8".

SPECIFICATION	DESCRIPTION
Dimensions	96 mm x 66 mm
Solar Panel	< 30 lux
Port	1/8" NPT Male
Accuracy	+/- 1% of full scale*
PT Data Source**	NIST REFPROP Database
Refrigerant Types	R22, R134a, R404A, R407C, R410A, R422D, R427A, R507
Units of Measure	psi/F, psi/C, Bar/C, MPa/C
High Side	0 psi / 800 psi Maximum tube pressure 1000 psi
Low Side	30inHg / 0 psi / 350 psi Maximum tube pressure 450 psi
Display Response	2 seconds
Port access	Approximately 0.16 in holes for a small flat-blade screwdriver
Units Jumper access	Opening on back (covered with a removable plug)

\*Accuracy not specified for readings between 700 to 800 psi (48.3 to 55.2 bar), (4.8 to 5.5 MPa).

\*\*Low side gauges use saturated vapor values (dew point)  
High side gauges use saturated liquid values (bubble point)

### ONE YEAR LIMITED WARRANTY

Ritchie Engineering guarantees YELLOW JACKET Solar/Light Powered Digital Gauges to be free of defective material and workmanship that would affect the life of the product under normal use for the purpose for which it was designed. This warranty does not cover items that have been altered, abused, misused, improperly maintained or returned solely in need of field service maintenance. Examples of misuse not covered under warranty are:

- Broken displays or solar panels
- Damage due to excessive pressure
- Damage due to dropping
- Tampering by non-authorized personnel

UPC#	Description
49041	High Side Pressure Solar Gauge/psi °F*
49042	Low Side Compound Solar Gauge/psi °F*
49045	High Side Pressure Solar Gauge/bar °C*
49046	Low Side Solar Compound Gauge/bar °C*

\*Default position

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## YELLOW JACKET® Solar/Light Powered Digital Gauge

Congratulations, you have purchased one of the most advanced digital pressure gauges in the world. The YELLOW JACKET light powered pressure gauges operate continuously, even in low light conditions. No need to change a battery or push a button to read.

There are two rotary DIP switches located at the top of the gauge's front panel (see Fig. 1). Use a small slotted blade tip screwdriver to turn the switches to the desired position. To avoid damage to the plastic housing and switches, do not use a screwdriver larger than 1/8".

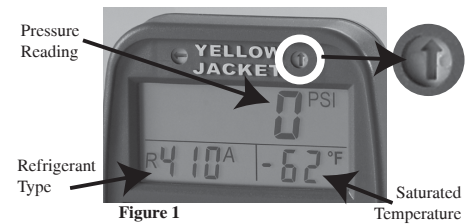


Figure 1

The switch on the left is used to select the refrigerant type. Each click will switch to a different refrigerant, as follows: Start with arrow up, rotating clockwise: R22, R134a, R404A, R407C, R410A, R422D, R427A and R507.

The switch on the right is used for zero-set (please allow at least five seconds between adjustments for the pressure reading to stabilize).

There are two DIP switches hidden under a black plastic plug on the back of the unit. Use them to select the unit of measure (see Fig. 2). Always replace the plug after a setting is made.



Figure 2

Dip Switch Position	1	2	Desired Setting
	Up	Up	
Down	Down	MPa/C	
Up	Down	psi/C	
Down	Up	bar/C	

Note: When maximum pressure exceeds the following values, the pressure reading value will display "HHH":

- Red Gauge - over 800 psi
- Blue Gauge - over 350 psi

P/N 500763D

