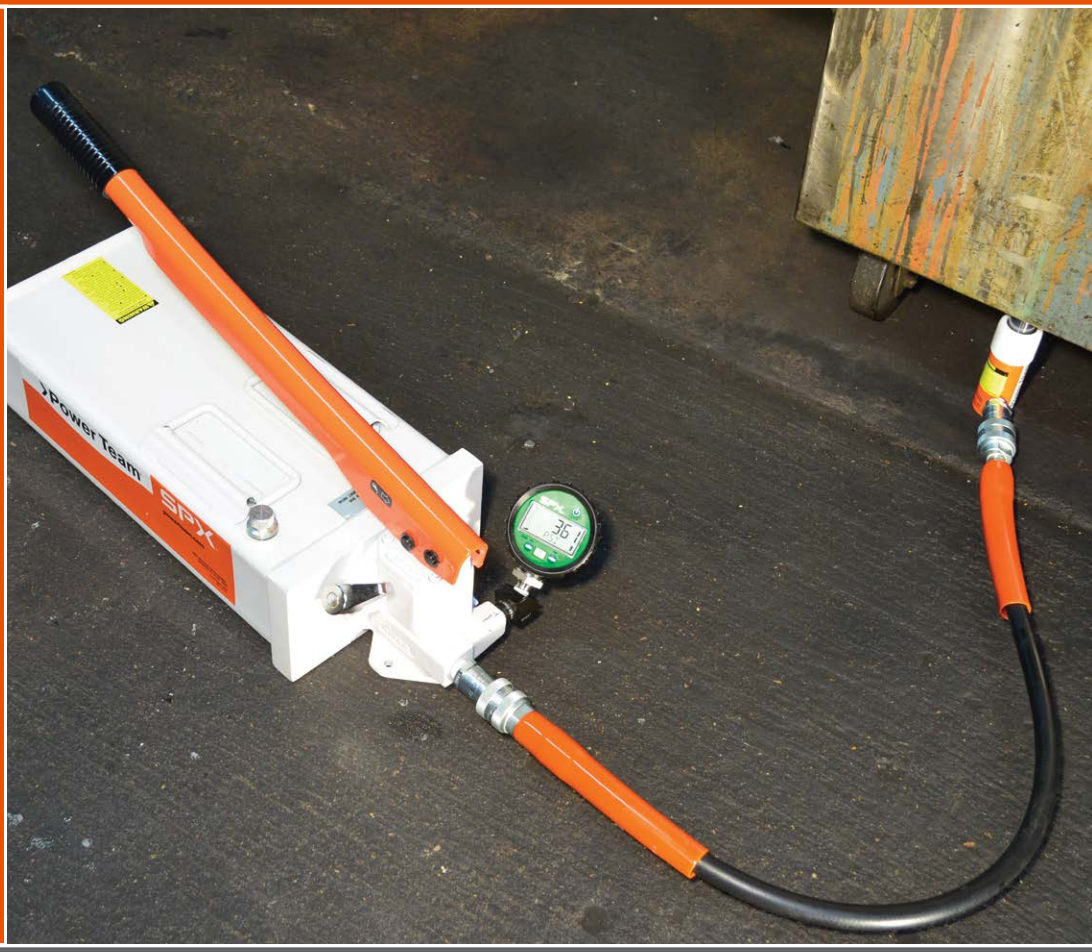
Power Team®

powerteam.com



DIGITAL PRESSURE GAUGE

DIGITAL ACCURACY IN A SMALL AND CONVENIENT PACKAGE

SPX®

DG SERIES

DIGITAL PRESSURE GAUGE
10,000 PSI (700 BAR)

Power Team

Order No.:
9042DG

Key Features:

- Digital gauge is easier to read and offers better accuracy[1] than a conventional analog gauge.
- The laser welded stainless steel sensor & socket and the IP67 weatherproof rating make this product suitable for use in the most demanding of applications.
- Five pre-programmed engineering units allow technicians to read pressure in the unit of measure most applicable to the process.
- The gauge also features a bar graph display for enhanced visibility.
- Includes automatic off-battery conservation, pressure tare, minimum pressure memory and maximum pressure.
- Vibration & shock tested to MIL-STD-202G.
- Agency Compliance / Approval: RoHS, CE, ASME B40.7, UL, cUL 61010-1.
- The gauges are calibrated for life at the factory and can be certified in the field if required.

Power Team's 9042DG was the perfect choice in accurately monitoring the force applied in this H frame press application.

Other Digital Gauges-DG100

- **DG100** (psi) digital gauge.
- **DG100B** (bar) digital gauge.

Upgrade to **DG100 or DG100B** when:

- Hi/Low alarms required.
- Relays triggered by hi/low pressure.
- Pressure display needs to be remotely mounted from measurement location.
- Accurate within 1% @ Full Scale.

Other Analog Gauges

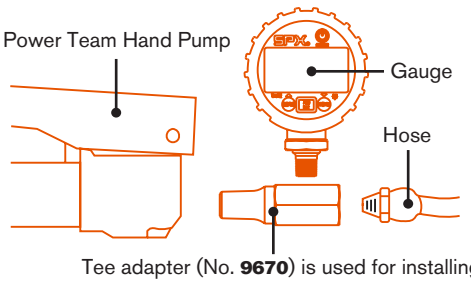
Order No.	Liquid Filled	Primary Unit	Secondary Unit
9040	Silicone	psi	bar
9041	None	psi	bar
9040E	Silicone	bar	psi

[1] Accuracy is 0.5% Full Scale, including the effects of linearity, hysteresis and repeatability. Comparison made against a 9040 analog gauge – including friction, parallax and other reading errors.

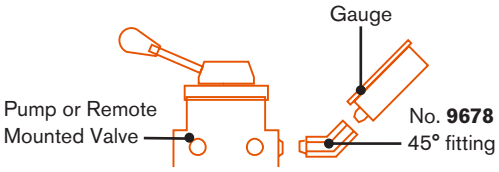
Technical Attributes

1. Protective rubber boot
2. Back-light and large 0.48" (12.2 mm) display easy reading
3. Displays in multiple engineering units: psi, bar, mPa, inHg, kg/cm²
4. Weatherproof IP67 enclosure
5. 2,000 hr. life, (2) AA (LR6) batteries
6. Typical Cycle Life: 10,000,000
7. 1/4" NPTF Male Threads

Typical Mounting Setups



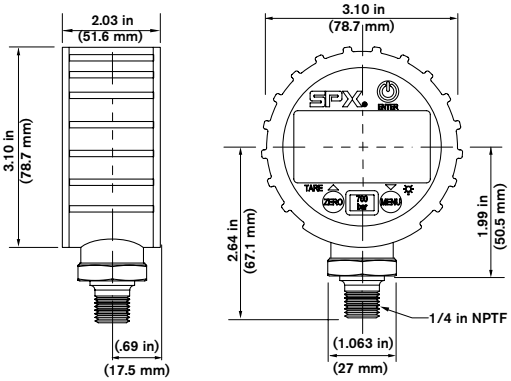
Tee adapter (No. **9670**) is used for installing a gauge in line in a hydraulic circuit.



Hardware Requirements

1. Does your pump have a 3/8" or 1/4" NPTF port?
2. Are you direct-plumbing the gauge to your tool or seeking to quick-disconnect?
3. Refer to the Power Team Catalog under the accessories section for a comprehensive range of fittings and couplers to meet your needs.

Technical Specifications



Safety Tip

When using couplers to detach the gauge, always use a metal cover (ordered separately) on the pump side (female) coupler when the gauge is removed.

Custom Scale

User programmable unit of measure allows you to set a custom scale to have the gauge display torque, force or weight to match the cylinder or tool being used.

Ordering Information

Order No.	Face Dia. in (mm)	Rated Pressure psi (bar)	Temp Range °F (°C)	Tool Use	IP Rating	Batteries Included	Battery Life hrs	F.S. Accuracy	Product Weight lb (kg)
9042DG	2.5 (64)	0-10,000 (0-700)	-4 to +140 (-20 to +60)	All	IP67	2 x AA (LR6)	2,000	0.5%	0.53 (0.24)

Power Team®

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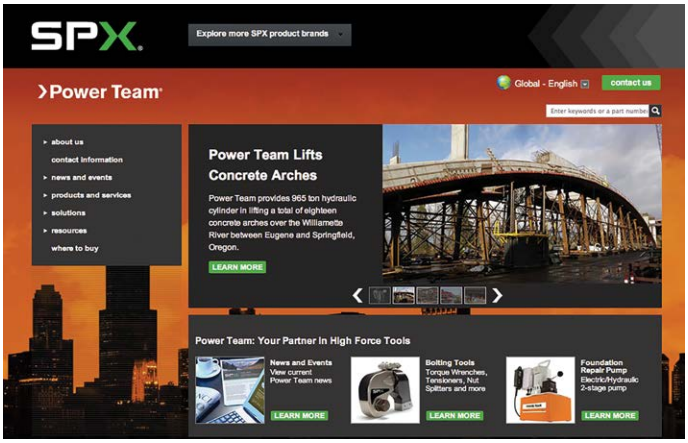

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