

Stack Tachometers and Racetech Mechanical Gauges

Stack ST400 Professional Tachometer

**STACK
STACK
STACK**



ST400 RPM Ranges
0-8000 RPM
0-3-8500 RPM
0-4-10,500 RPM
0-6-13,000 RPM

ST400 Professional Tachometers use microprocessor-controlled stepper motor movements for rock-steady operation throughout the RPM range, with zero needle bounce. This technology also permits the dial to be compressed at the low end and expanded at the top end for more accurate reading in the engine's normal operating range. The ST400 can record and play back up to 25 minutes of run time, and a tell-tale function recalls peak RPM. White backlighting allows night use. Mounts in an 80mm (3 1/16") opening (bezel measures 3.47" OD). Includes a panel-mount shift light, switch kit, and wiring harness. Please specify RPM range from the chart at left.

ST400 Professional Tachometer Part No. ST400-(RPM range)..... \$618.99

Stack ST200 Clubman and Classic Tachometers

The **ST200 Clubman Tachometer** provides the exceptional reliability and accuracy of stepper motor movement in a sealed, waterproof case. Compatible with points, HEI, and magneto ignitions. Mounts in an 80mm (3 1/16") opening. Available in three RPM ranges: 0-8000, 0-4-10,500, and 0-6-15,000. Please specify RPM range when ordering.

ST200 Clubman Tach, Black Face (shown) Part No. ST200-(RPM Range)..... \$411.99
 ST200W Clubman Tach, White Face Part No. ST200W-(RPM Range)..... \$411.99

The **Stack ST200C Classic Tachometer** has all of the same features as the ST200 Clubman model, but with a chrome bezel, lighter needle, and vintage Stack logo for a period-correct look.

ST200C Classic Tachometer, 0-8000 RPM only Part No. ST200C-0-8000 \$563.99

The **Stack Chronotronic Tachometer** takes the Classic model one step further by recreating the jumping needle movement of the original Smiths Chronometric tach, but only below 5000 RPM. From 5000 to 10,000 RPM you get the same rock-steady needle as on other Stack tachometers. Fits the same 3.5" (88mm) cutout as the original Smiths.

Stack Chronotronic Tach, 0-10,000 RPM only Part No. ST901096 \$672.08
 Red Shift Light for any Stack Tach Part No. ST536 \$48.31



Stack ST200 Clubman Tachometers

Left: Black, Part No. ST200-RPM

Right: White, Part No. ST200W-RPM



Stack ST200C Classic Tachometer
 Part No. ST200C-RPM



Stack Chronotronic Tachometer
 Part No. ST901096



Stack Red Shift Light
 Part No. ST536
 Compact panel-mount light works with all Stack Clubman, Classic, and Chronotronic tachometers

GAUGES

Racetech Competition Mechanical Gauges by Raceparts

Racetech Gauges are supplied as original equipment on many British-made formula cars. They are rugged and accurate, and their reliability has been proven over many decades of racing use all over the world. All gauges in the line are 2 1/16" diameter and have black faces with bright white markings (green faces are no longer available). All Racetech gauges are mechanical - electric versions are not available. These gauges are not illuminated.

Temperature gauges are available with either 7 or 9 foot capillary tubes. Capillary tubes on temperature gauges must be handled with care. If the tube is cracked or broken, the gauge is not repairable. You must avoid excessive flexing or twisting of the capillary tube, particularly when installing the sensor bulb. Be sure to use a backup wrench to prevent the sensor bulb from turning when tightening the gland nut. The capillary tube has a 3/8 BSP female threaded gland nut permanently installed. A 3/8 BSP male x 3/8 BSP male adapter fitting is provided with the gauge. An optional 5/8-18 male x 3/8 BSP male adapter is also available (5/8-18 has become much more common, particularly on cars manufactured outside of England).

Pressure gauges do not include tubing kits. Hookup kits using plastic tubing are available for street use, but competition use requires metal-braided (AN) hose at a minimum. Pressure gauge isolators are preferred for fuel pressure gauges. Our pressure gauges all have a 1/8 BSP male inlet fitting with a flat sealing face. This requires the use of a special hose end. Standard BSP hose ends have a convex seat and will not seal properly. We stock this special hose end for use with common -3 PTFE-lined stainless steel braided hose.

15 psi Fuel Pressure Gauge, 1/8 BSP male Part No. 1090-15 \$89.99
 Never use plastic tubing to connect fuel pressure gauges! Only use braided stainless AN hose or a Pressure Gauge Isolator (such as our Part No. AM5282 on page 45).

100 psi Oil Pressure Gauge, 1/8 BSP male Part No. 1091-100psi ... \$89.99
 160 psi Oil Pressure Gauge, 1/8 BSP male Part No. 1091-160psi ... \$89.99
 The pressure gauges above have a 1/8 BSP male fitting with a flat sealing face. See below for our special hose end to connect -3 steel braided hose to these gauges.

110°C Water Temperature Gauge, 84" capillary tube Part No. 1092-84 \$148.99
 110°C Water Temperature Gauge, 108" capillary tube Part No. 1092-108 \$148.99

140°C Oil Temperature Gauge, 84" capillary tube Part No. 1093-84 \$148.99
 140°C Oil Temperature Gauge, 108" capillary tube Part No. 1093-108 \$148.99

Dual 100 psi Oil Press./110°C Water Temp., 84" tube Part No. 1094-84 \$227.99
 Dual 100 psi Oil Press./110°C Water Temp., 108" tube Part No. 1094-108 \$227.99

Dual 100 psi Oil Press./140°C Oil Temp., 84" tube Part No. 1095-84 \$238.99
 Dual 100 psi Oil Press./140°C Oil Temp., 108" tube Part No. 1095-108 \$238.99
 The pressure gauges above have a 1/8 BSP male fitting with a flat sealing face. See below for our special hose end to connect -3 steel braided hose to these gauges.

3/8 BSP x 3/8 BSP male temp bulb adapter (standard) Part No. 1097 \$18.99
 Racetech temperature gauges include this adapter.

5/8-18 male x 3/8 BSP male temperature bulb adapter Part No. 1098 \$16.49
 5/8-18 is now the most common size for mechanical temperature sensing bulbs. It is so close to 3/8 BSP that they are hard to tell apart. A 3/8 BSP fitting will not quite fit in a 5/8-18 hole. A 5/8-18 fitting will be a loose fit in a 3/8 BSP hole.

Replacement 10mm Copper Washer for temp bulb Part No. 1096 \$4c
 This washer is used to seal the 3/8 BSP female gland nut to the male-to-male adapter on Racetech temperature gauges.

7 foot plastic oil pressure hose, 1/8 BSP female* Part No. 1099-7 foot ... \$32.99
 9 foot plastic oil pressure hose, 1/8 BSP female* Part No. 1099-9 foot ... \$32.99

*Note: These hookup kits are not SCCA legal for road racing! SCCA requires any oil line in the driver's compartment to be metal braided hose.

Special 1/8 BSP Hose End for -3 Braided PTFE Hose, Strt ... Part No. 3268-1/8-00 ... \$16.99

Special 1/8 BSP Hose End for -3 Braided PTFE Hose, 45° ... Part No. 3268-1/8-45 ... \$21.99

Special 1/8 BSP Hose End for -3 Braided PTFE Hose, 90° ... Part No. 3268-1/8-90 ... \$19.99

These hose ends have a flat sealing surface for Racetech (or Smith's) pressure gauges. See page 83 for PTFE hose.



100 psi Oil Pressure Gauge
 Part No. 1091-100psi



140°C Oil Temperature Gauge
 Part No. 1093-xx



Dual Oil Pressure/Water Temperature
 Part No. 1094-xx



Typical temperature sensing
 bulb with 3/8 BSP adapter

Standard BSP hose end has a convex seat and will not seal on our Racetech pressure gauges.



Our special BSP hose end (Part No. 3268) has a flat sealing surface to work with our Racetech pressure gauges.

If you don't want to use a plastic tubing kit to connect Racetech pressure gauges, we stock special reusable hose ends for -3 stainless steel braided PTFE Hose!