



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



SensoControl®

Product Directory



ENGINEERING YOUR SUCCESS.



For your safety!

Under certain circumstances, tube fittings can be subjected to extreme loadings such as vibration and uncontrolled pressure peaks.

Only by using genuine Parker Components and following Parker assembly instructions can you be assured of the reliability and safety of the products and their conformity to the applicable standards.

Failure to follow this rule can adversely affect the functional safety and reliability of products, cause personal injury, property damage, and result in loss of your guarantee rights.

Subject to alteration

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SensoControl®

Differentiated and exact analyses – always actual!

Portable Test Equipment

**Robust, rapid,
simple to operate**

- Early recognition of trouble
 - Pressure
 - Flow
 - Temperature
 - Rpm
- Precise Diagnosis
 - On-site and stationary
 - Capture of short-duration
 - Trend analyses over longer time intervals
 - Printouts in graphic or numerical format
 - Factory processing by PC
- For
 - Preventive maintenance
 - Installation
 - Trouble-shooting
 - Machine optimisation

Measurement Control Regulation

**Robust, stable long-term and suitable
for extreme conditions**

- Display, measure and monitor
these parameters
 - Pressure
 - Temperature
 - Level
- Parameter analysis
 - On-the-spot visual representation
 - Suitable for fast regulating processes
 - Reliable switching with very simple operation
- Applications

Ideal for general machinery and plant construction units, for automotive machine tools and presses. Individual industry-specific solutions are always a possibility.

Reliable technologies for trouble-free monitoring of machinery and plant processes so that down-times can be minimised.

SensoControl®

ServiceJunior



The ServiceJunior makes possible the measurement and display of pressures with one instrument. Measured values are shown with high precision on a 4-digit display. Pressure peaks are securely captured at a scanning rate of 10 ms.

- Digital pressure measurement and display
- Back-lit measured value display
- Accuracy $\pm 0,5\%$ FS
- Pressure peaks captured by displaying MIN/MAX reading
- Graphic display with bar graph (trailing indicator), peak & hold function

ServiceJunior Kit

- Delivery in storage-case
- Incl. test point-adapters and test hoses

Catalogue 4054

SensoControl®

Serviceman



The Serviceman has 2 inputs for sensors. This enables a differential pressure measurement by pressing only one key. Fast comparisons of actual and set values are done very easily.

- Easily operation
- Prevention of measuring errors due to automatic sensor recognition
- Two-line display
- Pressure peak measuring in 2 msec.

Serviceman Kit

- Delivery in storage-case
- Incl. test point-adapters and test hoses
- Attachments and sensors to measure pressure/temperature, flow

Catalogue 4054

SensoControl®

ServiceJunior wireless



Utilising the ServiceJunior wireless from Parker's SensoControl family of products allows you to comfortably record the pressure values taken from one or several measurement points on your machine or installation. Stored measurement data is transmitted to a PC across distances of up to 150 meters.

- Measured data memory for storing pressure sequences
- Network operations: monitor several measurement points
- Read-out data from measured data memory to the PC via a radio interface
- Set and evaluate measurement data using PC software JuniorWin

Catalogue 4054

SensoControl®

The Parker ServiceMaster "Easy"



Measurement and display of up to four measured values simultaneously. Proportional technology differential values, addition, performance and signals are very easily analysed.

- Rapid fault diagnosis = high quality maintenance
- Pressure spike measurement 1 msec
- Measured value storage to record pressure sequences with various storage functions (auto trigger, start-stop, etc)
- USB PC interface
- Setting and evaluation of measurement data with SensoWin software.

Bulletin 4057

SensoControl®

The Parker ServiceMaster



The ServiceMaster is a multi-channel hand meter for the simultaneous measuring of important hydraulic values. All hydraulic parameters such as pressure, differential pressure, flow and hydraulic power can be measured, displayed, stored and processed.

- Fast malfunction diagnosis = high servicing quality
- Measured data memory for storing pressure sequences
- Set and evaluate measurement data using PC software JuniorWin

ServiceMaster Kit:

- Delivery in storage-case
- Incl. attachments
- test point-adapters and test hoses

Catalogue 4054

Parker SensoControl® Diagnostic Products

Pressure sensor SCPT



- Pressure measuring range up to 1000 bar
- Accuracy $\pm 0,25\%$ FS

Catalogue 4054

Temperature sensor SCT



- Oil temperatures up to 125 °C
- Compatible with flow turbine SCFT

Catalogue 4054

Hydraulic tester SCLV-PTQ



- Test of pressure and flow (pump-test)
- Integrated loading valve device
- Overload protection

Catalogue 4054

Turbine flow meter type SCFT



- Pressure measuring range up to 750 l/min.
- Accuracy: 1% from indicated reading value
- Pressure range up to 480 bar

Catalogue 4054

Tachometer SCRPM



- Measurement range up to 10,000 RPM
- Accuracy $\pm 0,5\%$ FS
- Easy and fast measurement

Catalogue 4054

SensoControl® Controller Family



The Controllers are used in control, regulating and monitoring systems when switching or analogue signals, or a display, are required. The Controllers can replace

- mechanical switches
- mechanical displays (manometers, thermometers, sight glasses)
- sensors

and combine all the functions of the above-mentioned components in one instrument.

- large display
- freely settable
- rugged metal design
- compact
- long-term stability
- reliable
- interference-free

Catalogue 4083

SensoControl®

PressureController SCPSD



Simple operation, comprehensive functionality and long working life are the major features of the electronic SCPSD PressureController.

Features:

- bar/PSI/MPa
- compact design
- rotatable
- rugged housing (IP 67)
- simple operation
- 2 switching outputs
- 4 switching points
- settable analogue output
- time delay (damping)
- hysteresis/window function
- password

If pressure is to be displayed, or the requirement is for rapid switching or analogue signals, which can be set simply and without additional adjustments, then the SCPSD is the ideal solution.

Catalogue 4083

SensoControl®

TemperatureController SCTSD



Simple operation and comprehensive functionality are the major features of the electronic SCTSD TemperatureController.

Features:

- °C and °F
- compact design
- rotatable
- rugged housing (IP 67)
- simple operation
- 2 switching outputs
- 4 switching points
- settable analogue output
- delay times (damping)
- hysteresis/window function
- password

If temperature is to be displayed, or the requirement is for temperature-dependent switching or analogue signals, which can be set simply and without additional adjustments, then the SCTSD is the ideal solution.

Catalogue 4083

SensoControl®

LevelController SCLSD



Simple operation and comprehensive functionality are the major features of the electronic SCLSD LevelController.

- level display in mm/inch/%
- compact design
- rotatable
- rugged housing (IP 67)
- settable via menu
- high & low display
- switching output
- analogue output
- proven float measuring system
- simple operation
- flexible installation
- hysteresis/window function

The LevelController is very suitable for monitoring tank levels. With its menu-controlled setting of level switching points, a very wide range of applications can be conveniently carried out. If the percentage display is selected, the fullness level is shown to the operator in a consistent manner, independently of the tank shape.

Catalogue 4083

SensoControl®

LevelTempController SCLTSD



Simple operation and comprehensive functionality are the major features of the electronic SCLTSD LevelTempController.

Features:

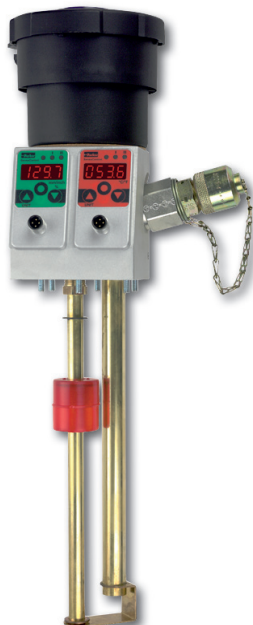
- temperature and level
- compact design
- rotatable
- rugged housing (IP67)
- simple operation
- menu-controlled setting
- probe
- locating bore
- switching output
- analogue output
- hysteresis/window function
- password

With the LevelTempController it is possible to set and display temperature and level separately on a common platform. It is precisely in the field of tank monitoring that the integration of level and temperature shows its unique potential.

Catalogue 4083

SensoControl®

OilTankController SCOTC



The OilTankController offers standardised connection points for an air filter and a filler coupling, which are additional to the LevelTempController.

It is precisely in the field of tank monitoring for series production that the integration of level and temperature, in combination with the air filter and filler coupling, shows its unique potential. Only one location bore is required for all 4 functions.

- proven measuring system
- level and temperature display
- mm/inch/% displays
- high and low display
- only one bore
- continuous level measurement
- connections:
 - filler coupling
 - air filter
 - under-pressure
- no surge tube needed

Catalogue 4083

SensoControl®

Pressure sensor SCP Mini



The SCP Mini pressure sensor was designed for industrial application needs and is used in control, regulating and monitoring systems, when the requirement is for rapid pressure-dependent analogue signals. The SCP Mini sensor is noted for its compact design, high linearity and excellent interference resistance.

- stainless steel cell
- small size
- high burst pressure
- resistant to pressure peaks
- shock and vibration resistant
- wide media compatibility
- high linearity
- long-term stability

Catalogue 4083

SensoControl®

Pressure sensor SCP-EX



The SCP-EX pressure sensor was designed for the requirements of applications where there is a risk of explosion (II 2G EEx ia IIC T4) and is used in control, regulating and monitoring systems when there is a requirement for pressure-dependent analogue signals.

- rugged
- long-term stability
- reliable
- stainless steel
- EEx ia

Catalogue 4083



SensoControl®

Pressur sensor SCP-Mobil



The SCP Mobil was especially developed for mobile hydraulic applications and can be modified to meet specific customer requirements.

- special electrical connections
- special output signals
- special protection measures
- measuring range from -1 ... +1 bar to 0 ... 4,000 bar

Catalogue 4083

CanBus SCPT

Pressure/Temperature Sensor with CANopen technology



Flexible, innovative and reliable

The new pressure/temperature sensor in the SCPT series offers flexible application possibilities in automation technology. Besides the pressure and temperature measurement combination, CANopen technology offers the designer cost-effective and reliable measuring technology.

Advantages

- Combined pressure and temperature measurement
- Digital measured value capture and transmission
- Error monitoring/self-diagnosis
- Heartbeat function/SYNC

Applications

- Hydraulics/pneumatics
- Automation technology
- Paper machinery/automotive/mobile hydraulics

Leaflet 4059

SensoControl®

Temperature sensors SCT



Compact design and high pressure resistance are the major features of the electronic TemperatureSensors.

Features:

- pressure resistant to 630 bar
- compact design
- stainless steel housing
- simple installation
- -50 °C to 250 °C
- 0/4 ... 20 mA

The SCT excels when temperature is being measured at higher pressures and compact size is required.

Catalogue 4083

SensoControl®

Built-in instrument SCE-020



Ample connections, a flexible display and plenty of outputs are the major features of the SCE-020 display instrument.

Features:

- Inputs: Current
voltage
frequency
- units freely selectable
- adjustable display range
- outputs: switching output
analogue output
- serial interface: RS 232

If various measurement values are required to be shown simply and flexibly, then it is the SCE-020 display instrument that should be used.

Catalogue 4083

Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. What-ever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 00800 27 27 5374

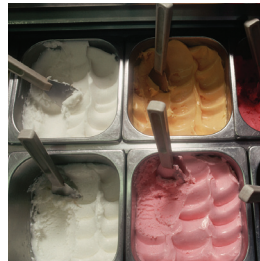


AEROSPACE Key Markets

- Aircraft engines
- Business & general aviation
- Commercial transports
- Land-based weapons systems
- Military aircraft
- Missiles & launch vehicles
- Regional transports
- Unmanned aerial vehicles

Key Products

- Flight control systems & components
- Fluid conveyance systems
- Fluid metering delivery & atomization devices
- Fuel systems & components
- Hydraulic systems & components
- Inert nitrogen generating systems
- Pneumatic systems & components
- Wheels & brakes

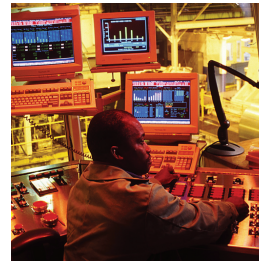


CLIMATE CONTROL Key Markets

- Agriculture
- Air conditioning
- Food, beverage & dairy
- Life sciences & medical
- Precision cooling
- Processing
- Transportation

Key Products

- CO₂ controls
- Electronic controllers
- Filter driers
- Hand shut-off valves
- Hose & fittings
- Pressure regulating valves
- Refrigerant distributors
- Safety relief valves
- Solenoid valves
- Thermostatic expansion valves



ELECTROMECHANICAL Key Markets

- Aerospace
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Paper machinery
- Plastics machinery & converting
- Primary metals
- Semiconductor & electronics
- Textile
- Wire & cable

Key Products

- AC/DC drives & systems
- Electric actuators, gantry robots & slides
- Electrohydraulic actuation systems
- Electromechanical actuation systems
- Human machine interface
- Linear motors
- Stepper motors, servo motors, drives & controls
- Structural extrusions



FILTRATION Key Markets

- Food & beverage
- Industrial machinery
- Life sciences
- Marine
- Mobile equipment
- Oil & gas
- Power generation
- Process
- Transportation

Key Products

- Analytical gas generators
- Compressed air & gas filters
- Condition monitoring
- Engine air, fuel & oil filtration & systems
- Hydraulic, lubrication & coolant filters
- Process, chemical, water & micro filtration filters
- Nitrogen, hydrogen & zero air generators



FLUID & GAS HANDLING Key Markets

- Aerospace
- Agriculture
- Bulk chemical handling
- Construction machinery
- Food & beverage
- Fuel & gas delivery
- Industrial machinery
- Mobile
- Oil & gas
- Transportation
- Welding

Key Products

- Brass fittings & valves
- Diagnostic equipment
- Fluid conveyance systems
- Industrial hose
- PTFE & PFA hose, tubing & plastic fittings
- Rubber & thermoplastic hose & couplings
- Tube fittings & adapters
- Quick disconnects

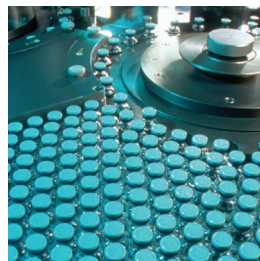


HYDRAULICS Key Markets

- Aerospace
- Aerial lift
- Agriculture
- Construction machinery
- Forestry
- Industrial machinery
- Mining
- Oil & gas
- Power generation & energy
- Truck hydraulics

Key Products

- Diagnostic equipment
- Hydraulic cylinders & accumulators
- Hydraulic motors & pumps
- Hydraulic systems
- Hydraulic valves & controls
- Power take-offs
- Rubber & thermoplastic hose & couplings
- Tube fittings & adapters
- Quick disconnects



PNEUMATICS Key Markets

- Aerospace
- Conveyor & material handling
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Transportation & automotive

Key Products

- Air preparation
- Brass fittings & valves
- Manifolds
- Pneumatic accessories
- Pneumatic actuators & grippers
- Pneumatic valves & controls
- Quick disconnects
- Rotary actuators
- Rubber & thermoplastic hose & couplings
- Structural extrusions
- Thermoplastic tubing & fittings
- Vacuum generators, cups & sensors



PROCESS CONTROL Key Markets

- Chemical & refining
- Food, beverage & dairy
- Medical & dental
- Microelectronics
- Oil & gas
- Power generation

Key Products

- Analytical sample conditioning products & systems
- Fluor polymer chemical delivery fittings, valves & pumps
- High purity gas delivery fittings, valves & regulators
- Instrumentation fittings, valves & regulators
- Medium pressure fittings & valves
- Process control manifolds



SEALING & SHIELDING Key Markets

- Aerospace
- Chemical processing
- Consumer
- Energy, oil & gas
- Fluid power
- General industrial
- Information technology
- Life sciences
- Military
- Semiconductor
- Telecommunications
- Transportation

Key Products

- Dynamic seals
- Elastomeric o-rings
- EMI shielding
- Extruded & precision-cut, fabricated elastomeric seals
- Homogeneous & inserted elastomeric shapes
- High temperature metal seals
- Metal & plastic retained composite seals
- Thermal management



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