**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# SUCO 0606 SERIES PRESSURE SENSOR

Compact Series

060610209B007
0 - 100 bar, NPT 1/4, AMP Superseal 1.5



- High IP protection up to IP6K9K
- Pressure ranges from vacuum to 5,000 bar
- Wide range of connectors and threads
- Protection against overload, overvoltage or short circuit
- Various interfaces (CAN, SAE J1938, SENT, RS-485)

### PRODUCT DESCRIPTION

The SUCO 0606 Series pressure sensor is built with an ultra-compact stainless-steel housing, engineered to perform reliably in demanding environments. With an impressive IP rating up to IP6K9K, it resists high-pressure and high-temperature wash-down conditions. It covers a broad pressure range from vacuum to 5,000 bar and incorporates strong overpressure protection. The sensor supports various output types including digital (CAN, SAE J1939, SENT, RS-485) and analogue (0–5 V, 0–10 V, 4–20 mA, mV/V), making it compatible with a wide array of control systems. It also offers multiple electrical connections like M12, Deutsch, AMP, and 1 m screened cable, and process connections such as ¼-inch NPT and flush diaphragms. Built-in protections against short circuits and overvoltage further enhance its reliability in electrically noisy environments.
Thanks to its rugged design and versatile connectivity, the 0606 Series is well-suited for use in mobile machinery including agricultural and construction equipment, where it delivers accurate hydraulic pressure monitoring under tough operating conditions like vibration, mud, and water spray. In industrial automation settings, its compatibility with communication protocols such as CAN and RS-485 allows seamless integration into complex control networks and PLC systems. Additionally, it finds application in high-pressure hydraulic testing, fluid handling systems, and emergency safety circuits where precise and durable pressure measurement is essential.

# TECHNICAL DATA

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| **Accuracy** | ± 0.5 % full scale (FS) at room temperature, ± 0.25 % BFSL |
| **Adjustment range max** | 100 bar |
| **Adjustment range min** | 0 bar |
| **Burst pressure** | 1000 bar |
| **Connection** | 1/4 NPT |
| **Electrical connection** | AMP Superseal 1.5 |
| **IP class** | IP67 |
| **Long term stability** | ± 0.2 % (<100 bar) / ± 0.1 % full scale (FS) per year |
| **Material of body** | Stainless steel 304L (1.4306) |
| **Material of wetted parts** | Stainless steel 630 |
| **Mechanical life expectancy** | 10,000,000 pulsations at rise rates to 5,000 bar/s |
| **Operating temperature from** | -40 °C |
| **Operating temperature to** | 125 °C |
| **Output signal** | 0.5 ... 4.5 V ratiometric (3-wire) |

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|---|---|
| **Overpressure protection** | 600 |
| **Pressure range max** | 100 bar |
| **Pressure range min** | 0 bar |
| **Process connection** | 1/4 NPT |
| **Repeatability** | ± 0.2 % (<100 bar) / ± 0.1 % full scale (FS) |
| **Response time** | 1 ms |
| **Signal type** | 0.5-4.5 V ratiometric |
| **Supply voltage dc max** | 6.5 V DC |
| **Supply voltage dc min** | 5 V DC |
| **Vibration resistance** | IEC 60068-2-6 |