

Hydraulics & Pneumatics

Continuous & End-of-Stroke Position Sensing

When great forces and torque are to be generated, hydraulic systems are used. They enable compact design and, therefore, high power density. They are self-lubricating, robust and provide long-term stability.

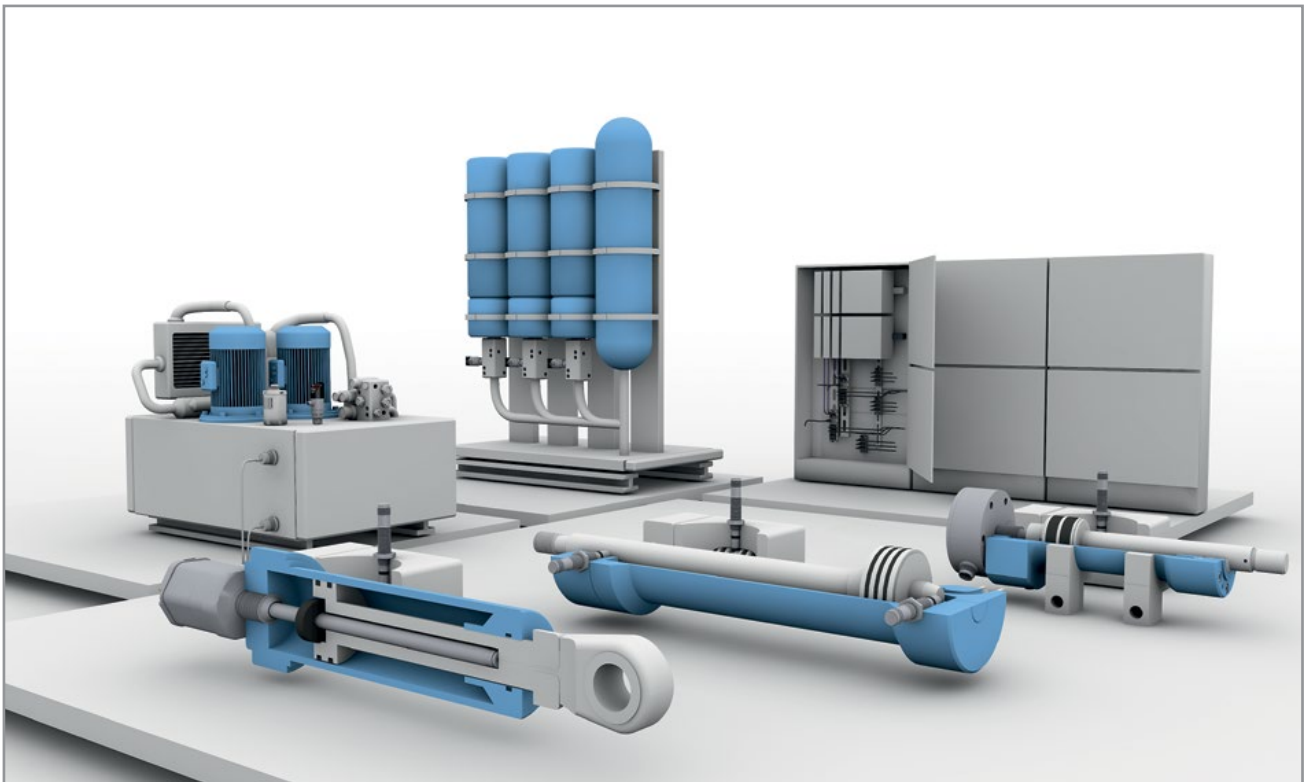
With the suitable sensors, the hydraulic systems provide solutions for almost every application. From the super-fast control in flight simulators to the most heavy-duty applications underground or in tunnel construction.

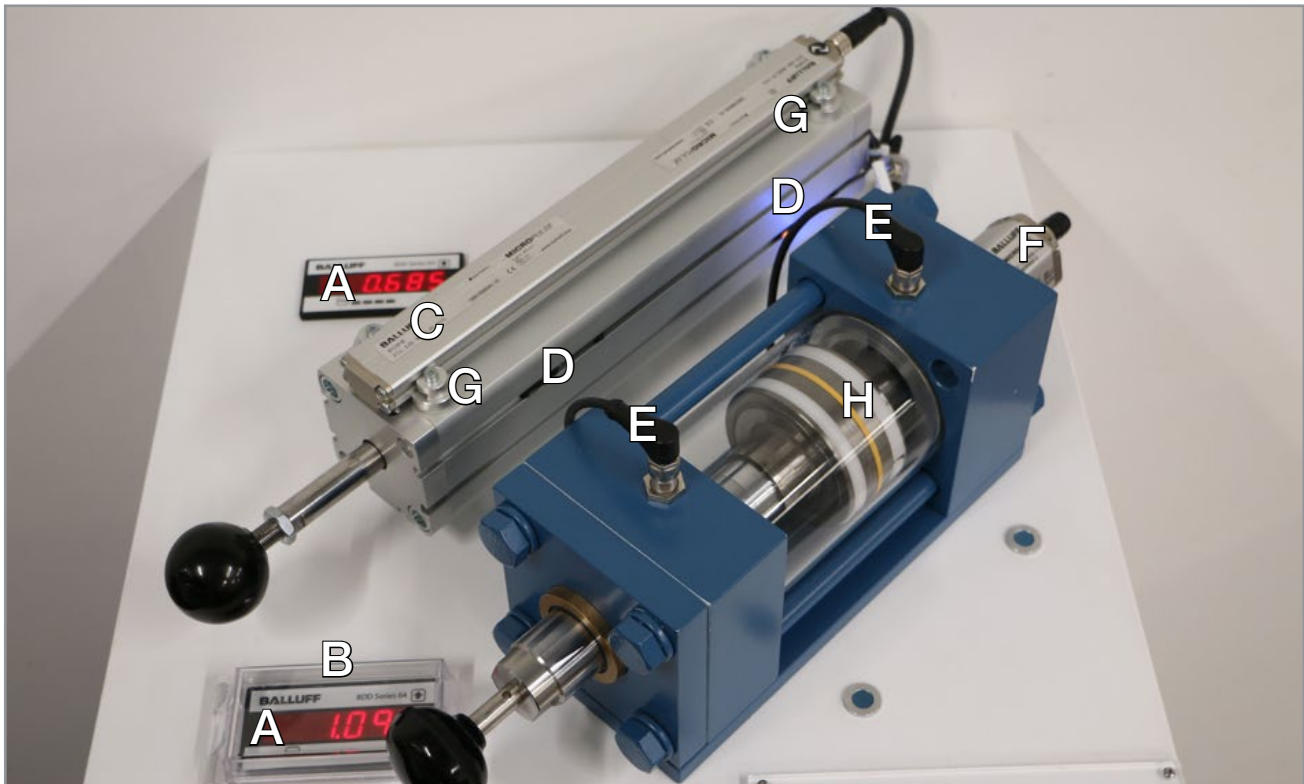
Balluff sensors and position measurement systems are designed for this wide range of applications.

Whether individual applications or large-scale projects, durable and robust Balluff technology supports the maximum availability of systems and supports their long service life. Balluff sensors are optimized in our accredited in-house laboratory through Highly Accelerated Life Tests (HALT). While doing so, the products are already subject to extreme loads during development, possible weak points are removed and a robust product design is ensured. Through extremely durable products, Balluff offers first class quality for all areas of hydraulics:

- Products for position sensing and end position detection in hydraulic cylinders and valves
- Capacitive sensors for monitoring liquids
- Pressure sensors for monitoring the hydraulic circuit
- Network and connection technology for industrial communication
- Worldwide location with technical consulting, sales, after-sales service and spare parts supply

Balluff works closely with suppliers of subsystems, plant engineers and research institutes to achieve this.





| Letter | Order Code | Description |
|--------|----------------|--|
| A | BAE004R | LED digital display, 5-digit, 0...10V/4...20mA input |
| B | BAM0130 | NEMA 4X IP65 cover for BDD 640-series LCD display |
| C | BTL04PE | Micropulse linear position sensor, profile housing, 0...10V output, 200 mm Stroke length |
| D | BMF00A5 | V-Twin/C-Slot Magnetic field sensor, PNP, NO, M8 4-wire, 2 Sensors with 1 Connector |
| E | BHS002Y | 500 Bar high-pressure inductive proximity sensor, M12 Quick-disconnect, PNP, NO, Flush mount |
| F | BTL1CC9 | Micropulse linear position sensor, hydraulic rod housing, 4...20mA output, 90 mm Stroke length |
| G | BAM01NK | BTL PF mounting feet for backpack feedback, 4 per kit |
| H | BAM013L | Piston mounted magnet |