

SQP – Smart Quick Pressure monitoring device

The SQP smart pressure monitoring device can be installed in junctions and shafts with a Hawle ZAK fitting connection drill or by means of a Hawlinger pressure drill directly at the measuring point with a suitable protective tube and a valve. In locations where a measuring point with a ZAK fitting has been pre-installed, a measuring device can be temporarily installed and relocated as required. The device has an IP68 enclosure and an internal battery, ensuring proper data collection and communication for years to come. The SHP device has an internal antenna, which is housed in a telescopic housing, thus ensuring continuous access and reliable data transmission.

The WaterScope SQP can be installed

- ZAK fittings for measuring points, wells, pumping stations
- ZAK fitting to measuring points into new shafts, junctions during reconstruction
- for measuring points, measuring or fitting shafts with ZAK fittings
- at various points in DMAs, to measuring points with ZAK fitting
- at the boundaries of pressure zones, for zone locks where it is not possible to place the measurement in the shaft
- at the end points, high and low points of areas to measuring points built with ZAK fittings
- at critical points where pressure fluctuations load the distribution network into measuring points with ZAK fittings



Communication	
Transmission options	Nb-IoT/LoRaWAN
Antenna	Internal, in the housing
Transmission frequency	Down to 5 minutes, typical 1 hour
SIM type (Nb-IoT)	eSIM
Pressure sensors	
Pressure sensors	1
Pressure range	0-20bar
Accuracy	±1%
Protection	IP68
Battery	
Internal battery	3,6V
Battery chemistry	Lithium Thionyl Chloride (non rechargeable)
Environmental	
Operating temperature	-20 - 85 °C
Ingress protection	IP68
Physical	
Dimensions	82x80x55
Weight	1600g