

# Conductivity



## Swan Conductivity Monitor FAM Powercon+

Monitor for the measurement of conductivity before (specific conductivity) and after a cation exchanger (acid respectively cationic conductivity)

### Options

- RS485 interface with PROFIBUS DP or MODBUS ASCII or MODBUS RTU.
- Built in back pressure controller for constant sample flow.

## SPECIFICATIONS

Parameter	
Measuring range	0.055 to 1000uS/cm
Accuracy	+/- 1% of measured value.
Temperature measurement	-30 to +130°C in steps of 0.1°C
Flow measurement	0 to 25 l/h
System	
System includes the transmitter FAM Powercon+, flow cell for two conductivity sensors and two conductivity sensors mounted on a PVC back plate	
Large back lit display for reading of measured value and operating status	
Temperature compensations for specific conductivity. Non linear temperature compensation for high purity water, neutral salts, strong acids strong bases, NH <sub>3</sub> , ethenolamine, morpholine or linear temperature compensation with coefficient	
Temperature compensation for acid (cationic) conductivity. Non-linear for strong acids	
Two signal outputs 0/4 – 20 mA for specific, acid conductivity or temperature, galvanically separated from sensor inputs	
Potential free alarm contacts as a summary alarm indication for instrument faults	
Two potential free contacts as limit switches	
One signal input for potential free contact, function programmable	
High/ low alarm for sample flow	
Needle valve adjustment of sample flow	
Cation exchanger resin sufficient at 1mg/l ammonia (pH 9.4)	
Sample flow 5 to 20 l/h, pressure 0.2 to 2 bar, temperature 50°C max	

## ORDERING INFORMATION

Swan Conductivity Monitor FAM Powercon+ standard unit.	Reference: SN/A-23.131.045	£2230.00
Swan Conductivity Monitor FAM Powercon+ with RS485	Reference: SN/A-23.131.245	£2420.00

& For prices of alternative system configurations please contact our Technical Support on 01954 233120.