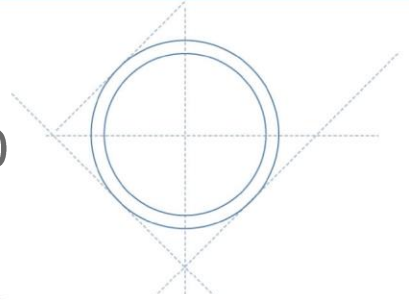


CONSTRUCTION AND DESIGN OF INSTRUMENTS FOR FLOW, LEVEL AND TEMPERATURE

EMCO Concentration Analyzer type 570



APPLICATION

The Emco concentration Analyzer is designed to monitor strong acids in % or g/l. The result is calculated by the relationship of the conductivity versus temperature and concentration.

CONSTRUCTION

The Analyzer is applicable for harsh conditions due to its industrial design. Atex classification is pending for explosive proof areas.

FEATURES

Easy to install | Easy to use | Low maintenance | Rugged design | Wide selection of sensors are available | High accuracy



TECHNICAL SPECIFICATION

Material, housing : AISI 316L casted housing or on request
 Outputs : dual 4-20mA, user selectable
 Alarm : dual relays & mA signalling (22.5 mA)
 Measuring range : full auto range 1 mS/cm – 1.500 mS/cm
 Temperature range : -35°C - +240°C, Pt1000 & Pt100
 Display : Backlit Dot matrix
 Dimensions : 144*144 mm mounting, for panel, wall & pipe.
 Line powered : 65-265 Vac, 5 VA
 Sensor connection : 9 pole screw-in
 Built in recipes : Strong acids
 Direct access to
 Calibration : output menu & diagnostic interface.
 Optional : HART, Profibus, Fieldbus

QUALITY ASSURANCE

ISO 9001 : 2008 certified

Media – measurement range	Temperature range
H ₂ SO ₄	
0-30 %	10-85°C
50-80 %	25-60°C
93-100 %	20-110°C
0-230 g/L	0-100°C
SO ₂	
0-25 g/L	0-50°C
20-70 g/L	20-90°C
SO ₃	
18-34 %	20-80°C
35-45 %	20-60°C
55-70 %	25-80°C
HCl	
0-15 %	10-80°C
25-40 %	0-60°C
HF	
0-70 %	0-70°C
90-100 %	0-50°C
0-3000 PPM/H ₂ O	0-50°C

*other recipes on request