

IQS450

Product Data Sheet

IQS450 204-450-000-002

Proximity Sensor Signal Conditioner

SIGNAL-CONDITIONING SUPPLY -20 to -32 V DC, temperature derating applies	VOLTAGE-MODE DYNAMIC OUTPUT SPAN 16 V	VOLTAGE-MODE OUTPUT IMPEDANCE 500 ohm	VOLTAGE-MODE SHORT-CIRCUIT CURRENT 45 mA
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Vibro-Meter IQS450 204-450-000-002 is a proximity sensor signal conditioner in the IQS450 range. It conditions the proximity signal from a matched TQ-series sensor and extension cable for machinery protection or condition monitoring. The complete A/B/H/I ordering options determine the environment, output sensitivity, chain length and mounting arrangement.

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VERIFIED TECHNICAL DATA

Signal-conditioning supply	-20 to -32 V DC, temperature derating applies
Voltage-mode dynamic output span	16 V
Voltage-mode output impedance	500 ohm
Voltage-mode short-circuit current	45 mA
Current-mode dynamic output span	5 mA
Output capacitance	1 nF
Output inductance	100 microH
Normal voltage-mode supply current	13 mA $\pm$ 1 mA
Maximum voltage-mode supply current	25 mA
Operating ambient temperature	-35 to +85 deg C

ADDITIONAL PRODUCT DATA

Storage ambient temperature	-40 to +85 deg C
Enclosure protection	IP40
Vibration withstand	2 g peak at 10 to 55 Hz
Shock withstand	15 g peak, half-sine 11 ms
Maximum terminal conductor section	2.5 mm²

DOCUMENTED USE SETTINGS

Steam Turbine and Electric Power Generation: Steam Turbine Power Generation.

Oil Refining and Natural Gas Processing: Refinery Compression and Processing.

Chemical Manufacturing and Industrial Process Production: Industrial Chemical Production.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

IQS450 manufacturer technical reference

AMIKON PRODUCT SUPPORT

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