

TQ442 / IQS450

Product Data Sheet

IQS450 204-450-000-001

Proximity signal conditioner

FUNCTION Proximity signal conditioner	FAMILY TQ442 / IQS450	ORIGIN Switzerland	WEIGHT 0.2 kg
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Vibro-Meter IQS450 204-450-000-001 is a Proximity signal conditioner for the TQ442 / IQS450. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Conditioner Type	IQS450 proximity interface
Article Number	204-450-000-001
Matched Sensor	TQ442 proximity sensor
Measurement Principle	Eddy current displacement
Dynamic Range	16 V
Minimum Gap Output	-1.6 V
Output Impedance	500 Ω
Short-Circuit Current	45 mA
Minimum Gap Current	-15.5 mA
Maximum Gap Current	-20.5 mA

ADDITIONAL PRODUCT DATA

Signal Use	Radial vibration monitoring
System Pairing	Matched cable and sensor
Mounting Style	DIN-rail conditioner module
Calibration Target	Specified reference material
Commissioning	Gap voltage verification

OFFICIAL APPLICATIONS

- Use the documented conditioner type: Apply IQS450 204-450-000-001 where conditioner type is IQS450 proximity interface. Confirm the installed hardware, field circuit and configuration before connection.
- Match the specified matched sensor: Verify matched sensor as TQ442 proximity sensor together with the exact terminals, companion equipment and approved engineering record.
- Complete the commissioning: After installation, perform gap voltage verification, review diagnostics and save the measured result before returning the equipment to service.

SYSTEM COMPATIBILITY

Match IQS450 204-450-000-001 to the installed TQ442 / IQS450, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Meggitt sensing systems product documentation](#)

<https://catalogue.meggittsensing.com/>

AMIKON PRODUCT SUPPORT

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