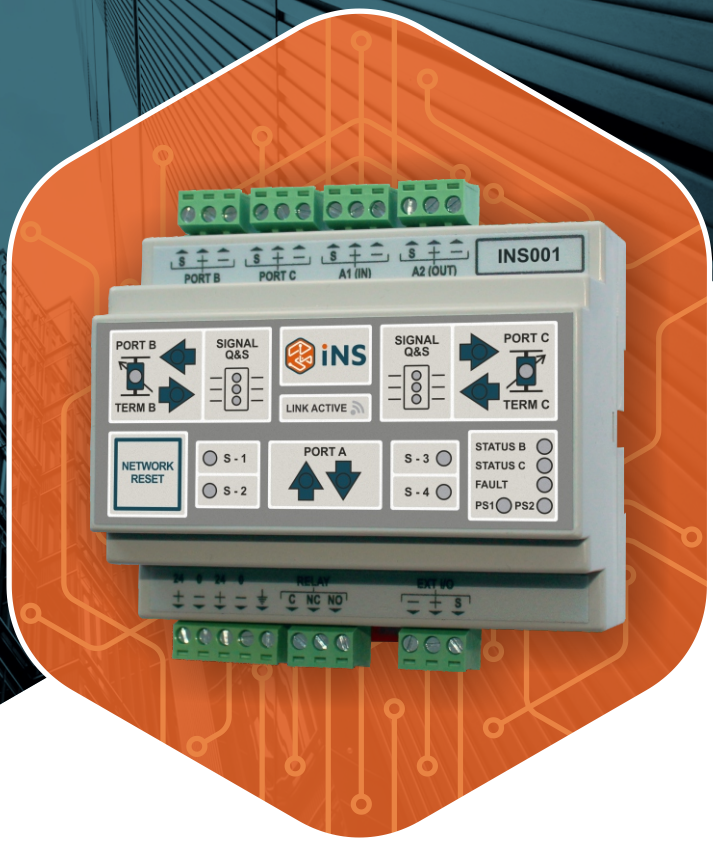
INS001

Dynamic Network Analyser

- The Only Preventative Maintenance Modem For Cabled Infrastructure
- The Only Commissioning Modem For Cabled Infrastructure
- For An Independent EN54-13 Life Safety Communication Network Layer

MAINTENANCE COMMISSIONING



The INS001, Dynamic Network Analyser for Ring Topology Networks. This product has been developed by INS Technologies to facilitate dynamic network management through the provision of an independent communication layer.

FEATURES

- Independent reporting with Class A communication redundancy
- Multiple fault tolerance
- 2.5 kV isolation on all ports
- Dual & single industrial equipment RS-485 connection
- Four independent I/O channels across the redundant network ring for independent protocol redundancy
- Can operate on hosted Fibre/Ethernet links
- Simple LED system status indication
- Signal quality & amplitude visual indication
- Wireless connectivity for remote monitoring using a Bluetooth or WIFI communication connection
- Supports the generation of system performance reports for installation commissioning
- Visual interface provided by PC IVIEW, the Instance Global graphical user interface with monitoring, diagnostics and reporting options
- Enables preventative maintenance management through system degradation monitoring
- Configuration & commissioning parameters are stored allowing for system performance tracking over time
- Baud rate selectable from 9600-115kbits/sec

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The INS001 is designed to improve the Quality of Service (QoS) of critical communication networks while operating under the performance criteria required by EN54-13 and BS5839 part 1.

The ports connected to the communications ring, are correctly terminated to match the network communications cable impedance to ensure optimum signal quality and amplitude. Signal quality is constantly monitored and the termination impedance is adjusted to compensate for changes in cable impedance due to climatic or physical cable parameter changes.

Four Input/Output interfaces are provided for through an independent communications layer. This feature provides a basic redundant network protocol with the mapping configuration managed through the PC-based IVIEW application tool.

SPECIFICATIONS

DIMENSIONS

Dimensions:	105 X 58 X 86 mm
Weight:	200g
Mounting:	Din Rail EN60715 (width 35 mm)

POWER

Operating voltage:	18 to 36V (24V DC nominal)
Rated current:	250mA (at 24V)

INTERFACES

RS-485:	Port A1 - Fixed Termination
	Port A2 - Fixed Termination
	Port B - Dynamic Termination
	Port C - Dynamic Termination
	Port A, B, C & I/O bank - Isolated (2.5kV)
USB:	USB Micro-B (Device/Slave Mode)

TEMPERATURE

Operating:	-10 to 50°C
Storage:	-40 to 70°C

AGENCY APPROVALS AND STANDARDS

CE, UKCA, RoHs, WEEE compliant
EMC: EN 61000-6-2
EMC: EN 61000-6-4
Safety: EN 60950

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