

Specification

Ethernet Interface

Type: 10/100-Base T
Connector: RJ-45

CAN Interface(s)

Bit Rate: 1 Mbps
Connector: 9-pin D-Sub

RF Interfaces

Number of Channels: 5
Interface type: Instrumentel Proprietary Inductively Coupled Telemetry Interface
Operating frequency: 8-27 MHz

Processing Capability

Processing: Embedded 32bit ARM processor, FPGA for parallel processing and DSP
Program Memory: 256 kb Programmable Flash, 64 kb Program RAM
Data Storage: Solid state memory, µSD card 1 gb as standard, fully expandable
Firmware: Instrumentel proprietary program
Additional Capability: Real Time Clock (RTC) with backup battery

Inputs

Number of Channels: 48
Channel Bandwidth: Up to 400 kHz
Supported Input types: -10 V to +10 V, 0V to 10 V, 4 mA to 20 mA loop.
Protection: All inputs are reverse voltage protected
Connector Types: Deutsch AS0-16-35-SN (51 pins), 10 x BNC

Outputs

Number of outputs (Inc Ref and GND): 61
Connector type: Deutsch AS0-20-35-SN
Output type: 0 V to 5 V
Biasing: 0 V or 2.5 V software configurable

Power Requirements

Power Supply: 230 V AC

Operation Current: c 500 mA
Operation Power: c 12 W

Environmental Limits

Operating Temperature: -40°C to +85°
Ambient Relative Humidity: 5 -95% (non-condensing)

Configuration

Configuration for each channel is achieved using Instrumentel software.

Dimensions



H: 120 mm L: 260 mm W: 350 mm

Product family

