

Browse by category

Capital Equipment (3,541)

Consultancy and Services (887)

Control and Instrumentation (5,179)

Drives, Motors and Controls (3,450)

Electrical and Electronic Equipment Design (4,359)

Engineering Design Software (6,466)

Engineering Industry News, Resources (4,966)

Machine Building (4,640)

Materials and Processing (3,057)

Monitoring, Measurement and Quality (5,742)

Powertrain Design (3,742)

Sensors (7,411)

Small Mechanical Components, Joining, Tools (2,073)

Valves, Pumps, Process Hardware (3,768)

All suppliers A - Z

ABCDEFGHIJKLM
NOPQRSTUVWXYZ

Ads by Google

JH Signal Conditioners

Modules, DIN-rail, 2-wire & others. US mfr. Quick delivery, specials.
www.ihtechnology.com



Amplifier compliments standard mounting systems

A Stellar Technology product story

More from this company

More from this category

Edited by the Engineeringtalk editorial team Jan 21, 2010

Ads by Google SCADA DCS Ball Valve PCB Production PCB Design

The Series AP5103 DIN-rail amplifier is a low-cost, general-purpose, single-channel signal conditioner that is compatible with standard DIN-Rail mounting systems.

It is designed for input of pressure, force, torque, weight and other variables measured by standard DC-excited strain-gage transducers. The AP5103 allows the user to select filtered analogue output of +/-5V DC, +/-10V DC or 4-20mA and will accommodate a range of DC strain-gage sensors with bridge resistance of 120 to 10,000Ohm.

The amplifier includes front-panel-accessible settings for mode, volts, current, filter, excitation and zero.

A wide zero and span adjustment and switch-based shunt-cal feature make the versatile suitable for a variety of applications.

DIN-Rail design permits easy access to screw-terminal connections for power, analogue-output, shunt and sensor signals.

The AP5103 provides high signal stability and accuracy over a range of sensor inputs, and a powerful low-pass active filter removes unwanted high-frequency signal components.

Bridge excitation of 2.5 or 5.0V DC is field-selectable and the input power range is 11-28V DC.

The AP5103 has a power-status indicator light and over-range indicator light.

The unit complements mV/V miniature load cells, force sensors and miniature pressure transducers that are too small to accommodate onboard electronics or those applications where temperatures at the sensor require that electronics be located elsewhere.

The AP5103 DIN-rail signal conditioner is also available as a fully enclosed in-line housing as the Series AP5201.

Ads by Google Sports Jobs PCB Design SCADA OPC Education Jobs

Send to a friend Print this page Bookmark this page

Google Ads

Ads by Google

Measurement Instruments

Precision Temperature and Voltage Measurement - USB and Ethernet(LXI)
www.datatranslation.cc

Load Cell, PCB

New Line of Load Cells Lifetime Warranty Plus
www.pcb.com

Hall Effect Sensor

Huge In Stock Selection -Components & More - Same Day Shipping!
www.newark.com

Signal Conditioners

Configurable with alarms, serial comms and analog outputs
www.Measurloic.com

Data Acquisition

Instruments & Systems for data acquisition & control
www.Davtronic.com

Contact Stellar Technology

Company profile and news