

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

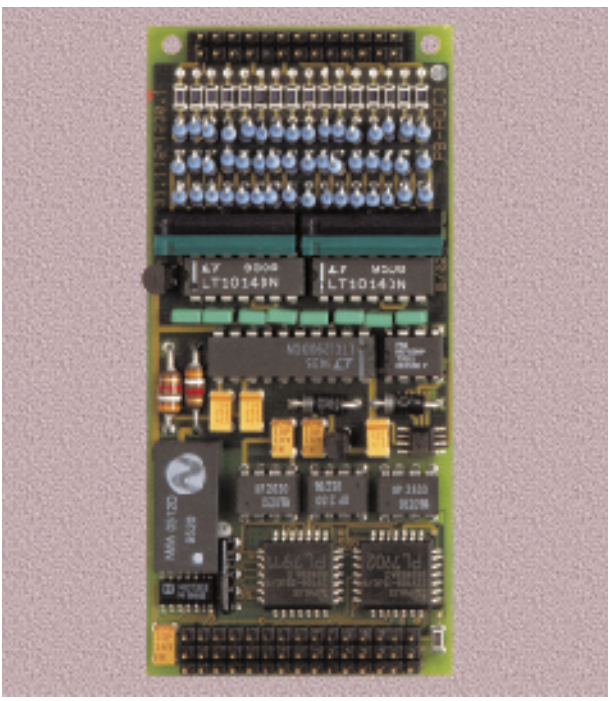
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

MODPACK
ANALOG &
DIGITAL
I/O

PB-ADC3

8-Channel Optoisolated Differential 12-bit A/D MODPACK



Characteristics

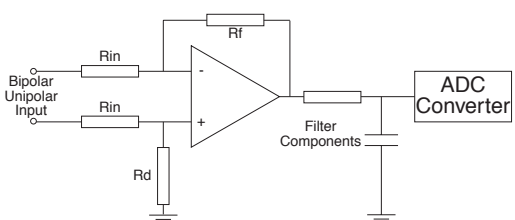
Function:	8 optoisolated differential inputs
Input Voltage Range:	0..5V DC, 0..10V DC, ±5V DC, ±10V DC
Input Current:	0..20mA (current version)
Input Impedance:	40kΩ (0..10V, ±10V ranges)
Input Frequency:	20kHz (max.)

A/D Converter

Resolution:	12-bit (unipolar); 11-bit + sign (bipolar)
Linearity Error:	±0.75 LSB
Conversion Time:	43µs
Temperature Drift:	10ppm/ºC

Common

Isolation:	500V DC between I/O and system
Power Req.:	+5V DC (± 5%), 235mA typ.
Temp. Ranges:	0ºC to +70ºC
	-40ºC to +85ºC (opt. E2)
	-55ºC to +85ºC (storage)
Humidity:	0% to 95% non-condensing



An 8 channel 12-bit optoisolated A/D piggyback for use with PEP's range of dedicated ModPack carrier boards. All inputs are differential and are galvanically isolated from the system supply. Bipolar or unipolar conversion may be jumper selected and the choice between voltage conversion or current conversion is indicated by the version being ordered. Stability and linearity are assured across the complete operating temperature range while board specific calibration data remain stored in an on-board EEPROM for software gain/offset correction.

Product	Description	Order No.
PB-ADC3	8 channel optoisolated piggyback for differential analog inputs in the range 0..5V DC, 0..10V DC, ±5V DC or ±10V DC for use with PEP's dedicated range of carrier boards	3128
PB-ADC3	8 channel optoisolated piggyback for differential analog inputs in the range 0..20mA for use with PEP's dedicated range of carrier boards	3129

CERTIFIED
DIN ISO 9001
QUALITY SYSTEM
Reg. No. 0548 - 02

Modular Computers®

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP