

COVER PAGE



Cert No: 925767



Cochran Close, Crownhill, Milton Keynes, Bucks, MK8 0AJ

Tel: 01908 567003

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Fax: 01908 566735

Visit: www.amelec-uk.com

**THANK YOU FOR YOUR ENQUIRY
PLEASE VIEW ATTACHED QUOTATION**

PRODUCT PROMOTION

INTRODUCING THE APM SERIES OF DIGITAL PROCESS PANEL METERS / CONTROLLERS



Key Features:

- Multi Process Voltage & Current input
- Programmable Input range / Display / Relay / Output etc
- Up to 4 relays output with independent set points
- Isolated analogue output with Optional RS485 available
- Optional DIN / Surface mounting available
- Available for next day delivery
- Very keenly priced to suit your requirements

From standard 48 x 96mm to space saving 24 x 48mm digital panel meters with up to 4 relays output and isolated retransmission of input. Our standard APM489 is a non-microprocessor panel meter.

We have a wide range of Moving Coil & Iron Ammeters (AC & DC) available for bespoke signal conditioning needs.

Visit our website: www.amelec-uk.com



UVDB Verify
empowered by **Achilles**



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PRODUCT PROMOTION

INTRODUCING THE ASC451LP – AC CURRENT TRANSDUCER



Key Features:

- Split-core CT for easy installation
- Non-intrusive monitoring
- Powered from 4-20mA loop
- Suitable for use in **SIL Level 1, 2 & 3 (IEC61508)**
- Isolated output – Connect directly to the PLC
- Keenly priced, get in touch to discuss further quantity discounts
- Current input range: 0-5A/10A/20A/50A/100A/200A

Other intermediate ranges are available on request.

We have a wide range of Split-core signal conditioning instrumentation. Ask us about our ASC Series.

***We are very proud to announce that our ASC451LP has been Network Rail Approved (086/036401). ***



UVDB Verify
empowered by **Achilles**



Amelec Instruments

Sales Quote (Open)

Unit 5 Cochran close
Crownhill
Milton Keynes
Bucks
MK8 0AJ
United Kingdom

Phone: 01908 567003
Fax: 01908 566735
E-mail: sales@amelec-uk.com
VAT No.: GB838 5917 80

Sales Quote No.: 13T9180
Sales Quote date: 06/02/2013
Expiration date: 01/04/2013
Reference: ASC050 DC-LP Transducer

To:

Findlay Irvine Ltd
Bog Road
Penicuik
Midlothian
Scotland
EH26 9BU

Sales person:	David Mundy	Contact name:	Mike Mustard
Delivery date:		Payment terms:	Net 30

Qty.	Description	Unit Price	Discount	Net Amount	VAT %	VAT
10	Thank you for your recent enquiries, we are pleased to forward our quotation for current transducers as requested; ASC050 DC-LP Splitcore Current Transducer Input: 0 - 50A dc Output: 4 - 20mA Supply: 2-wire o/p Loop powered. For further details please see datasheet attached	£58.00	12%	£510.40	20%	£102.08
1	C&P charge for this consignment on next day courier service to Findlay Irvine. Delivery period standard 2-3 weeks at present, shorter delivery usually may be available on request at time of order if Urgent. Amelec is a wholly owned British manufacturing & supply company. Instrumentation produced by Amelec is covered by up to 10 Year Warranty & fully tested in the UK prior to shipment in accordance with the ISO 9001:2008 Quality Management System. The Company is fully registered on Achilles. Please advise as & when we may be able to assist you further in any way Thank you & Best Regards, david Mundy	£14.00		£14.00	20%	£2.80

VAT Code	VAT %	VAT Net	VAT
20%	20%	£524.40	£104.88

Discount Amount: £69.60

Net amount: £524.40

VAT Total: £104.88

Total: £629.28

ASC Series DC Current Transducer

- Split core CT for easy Installation
- Loop powered, reducing wiring
- 2 year guarantee as standard
- CE compliant
- Connect directly to PLC

APPLICATION

- Motor / Heating element current monitoring.
- Current signal conditioning.

TECHNICAL SPECIFICATION

INPUT

Current can be specified in the range of:
0-50A, 0-100A, 0-200A, 0-300A, 0-400A, 0-500A

OUTPUT

4 – 20mA DC Sinking current. 20mA max
Output Load: 450R ohms max @ 24Vdc supply.
Loop voltage 24Vdc \pm 10%
Linearity: $< \pm 0.5\%$
Accuracy: $< \pm 1\%$
Consumption: 25mA + I out
Freq Bandwidth: DC to 20kHz

CONTROLS

15 turn potentiometers for output calibration.

Zero: $\pm 25\%$
Span: $\pm 25\%$

Protection

Isolation 3000V RMS. Input / Output / Case
Input over range up to 200% continuous.
Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

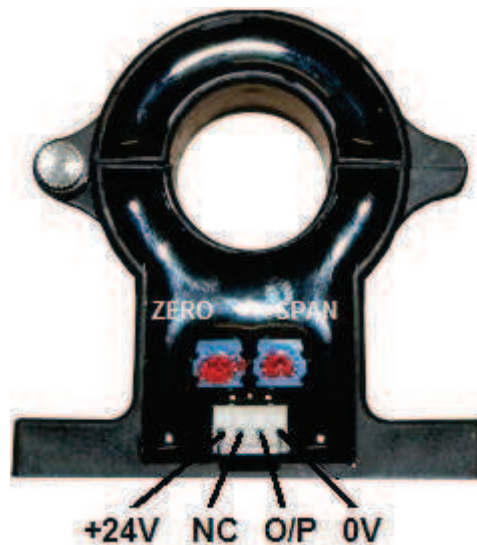
Storage temperature: - 40 to +100 °C
Operating Ambient: -25 to 85 °C
Relative Humidity: 20 to 95% RH
Temp Coefficient: $< 0.03\% / ^\circ\text{C}$

MOUNTING

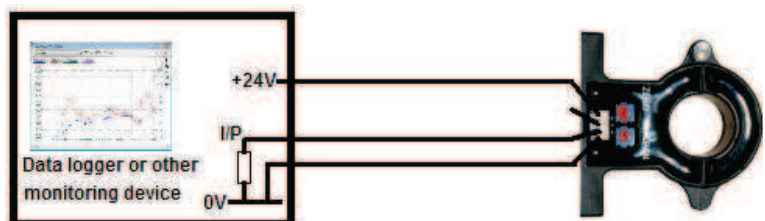
Mounting: Surface
Weight < 70g
Installation: CAT II



WIRING

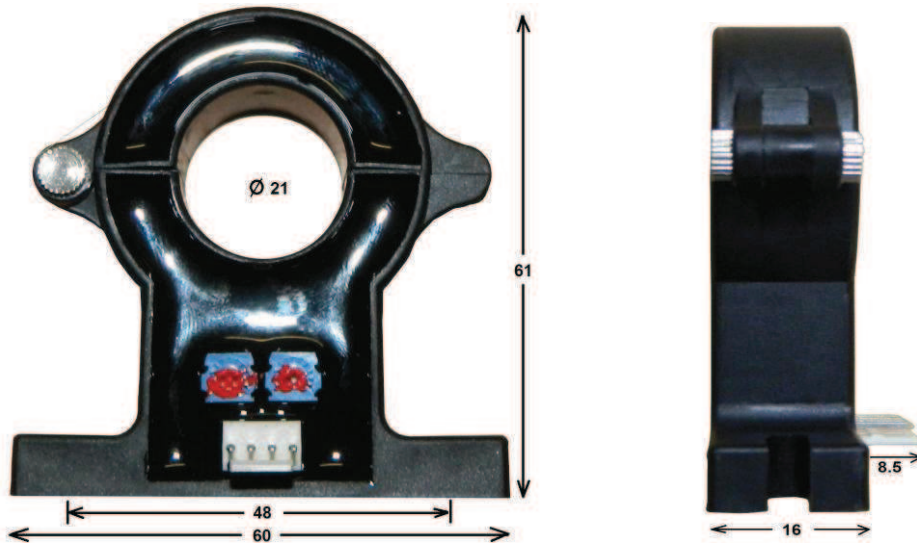


Molex 4 way Connector



ASC Series DC Transducer

DIMENSION (mm)



INSTALLATION

To avoid damage to the case, input cable should be formed to shape and supported.

1. Remove screw to release split-core



2. Place the cable



3. Screw the split-core back into closed position



4. Finish



SAFETY NOTE:

Although the voltage(s) directly connected to this instrument and its internal voltages are low, the cable running through the split core may carry dangerous high voltage. For this reason, this product should be installed by a competent person. If the unit fails to operate correctly then first check if the wiring is correct. Under no circumstance is the unit to be taken apart to gain access to internal circuitry for any reason whilst it has live cable through the split core.