

New Advisor **A90**

Universal process panel meters with **multicolour** displays

for **general purpose** applications



visit our website www.beka.co.uk

- > Multicoloured display visible in all lighting conditions
- > 5 digit and 31 segment bargraph
- > dc and mains powered models
- > Process current, voltage and RTD inputs
- > Rugged 316 stainless steel model
- > Optional dual alarms, isolated 4/20mA output
24V dc transmitter supply, Modbus RTU

BEKA
associates

NEW Universal process panel meters feature **multicolour** negative liquid crystal displays...

These high quality universal process panel meters feature multicolour, negative liquid crystal five digit and thirty one segment bargraph displays which are visible in all lighting conditions from bright sunlight to total darkness. The display colour is fully adjustable and can be linked to the meter's optional alarms to provide a very conspicuous alarm warning. For example, a green display could change to red when a high alarm occurs and to blue in the low alarm condition. Display colours and brightness can easily be adjusted on-site to match other instrumentation in the panel or the operator's preference.

The meters have process current, voltage and resistance thermometer inputs and are available for use with a low voltage dc or a mains power supply.

All models have IP66 front of panel protection and a scratch resistant glass window. For marine applications or where the front of the instrument may be impacted, the rugged A90-SS has a 316 stainless steel enclosure and a 10mm thick toughened glass window.

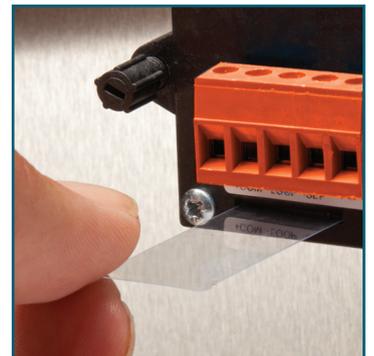
Standard features on all models

- > Any display colour can be selected on-site
- > 5 digits 11mm high and a 31 segment bargraph
- > dc and mains powered models
- > Process current, voltage and RTD inputs
- > IP66 front of panel protection
- > Minimum & maximum memories, root extraction and tare function
- > Simple intuitive menus
- > Easy on-site scale card installation
- > No charge for custom calibration, scale & tagging
- > Three year guarantee

Accessories

- > Dual alarms can be linked to display colour
- > Isolated 4/20mA output and isolated 24V transmitter supply
- > Isolated Modbus RTU
- > Printed scale card
- > BA495 IP66 rear sealing kit

Meters can be supplied calibrated to customer's requirement including a printed scale card for no additional charge.



Scale card is inserted from the rear of the instrument.

Typical applications

A90 or A90-SS

INPUTS ON ALL METERS

Current input
4/20mA
or 0/50mA



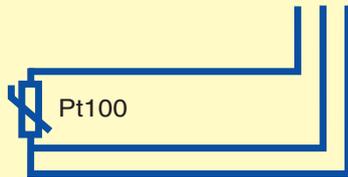
Power supply
for models
10 to 36V dc or
90 to 264V ac

Voltage input
0 - 100mV
0 - 1V or
0 - 10V

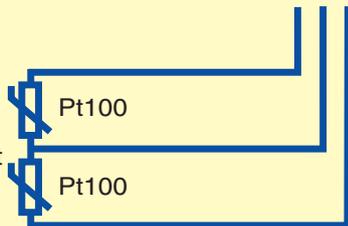


RTD input

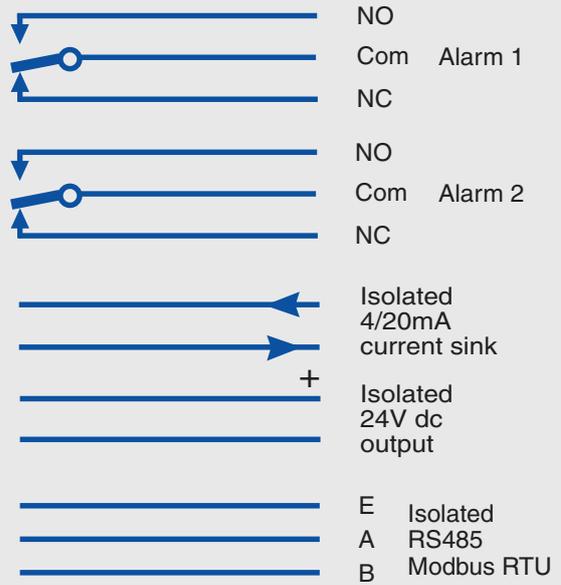
3 wire
connection



Differential
measurement



OPTIONAL OUTPUTS



2-wire
4/20mA
transmitter



4/20mA



Advisor meter powering
and displaying output from
2-wire pressure transmitter

Power supply

Pt100
RTD



Advisor meter displaying
temperature of RTD and transmitting
isolated 4/20mA output proportional
to displayed temperature

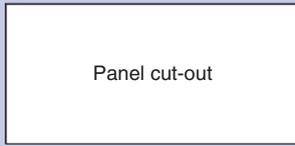
Power supply

4/20mA output
(source)

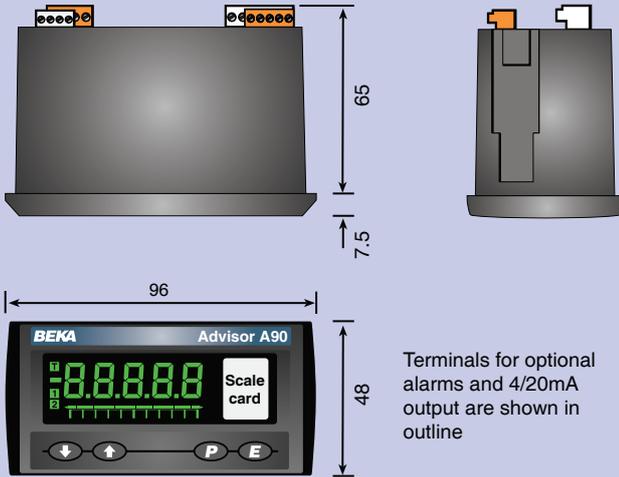
Dimensions

A90

Noryl enclosure. IP66 front panel protection.



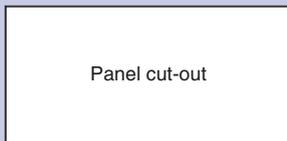
Recommended panel cut-out
90+0.5/-0.0x43.5+0.5/-0.0



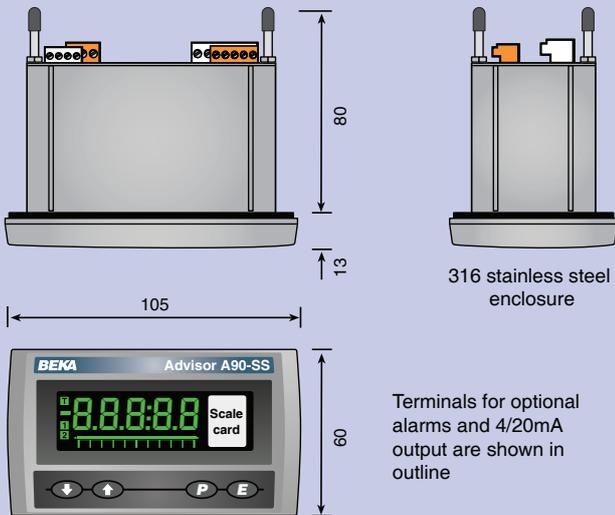
Terminals for optional alarms and 4/20mA output are shown in outline

A90-SS

316 stainless steel enclosure. Front panel has impact and IP66 protection.



Recommended panel cut-out
90 +0.5 / -0.0 x 43.5 +0.5 / -0.0



316 stainless steel enclosure

Terminals for optional alarms and 4/20mA output are shown in outline

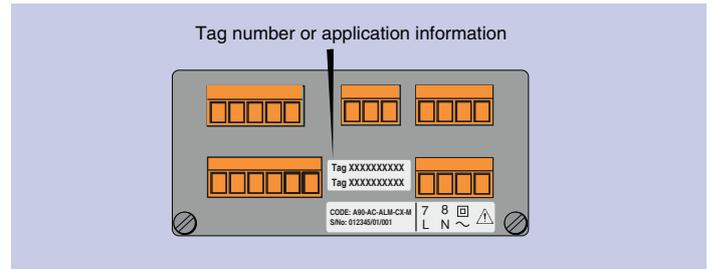
Accessories

Scale card

A slide-in scale card can be fitted without removing the instrument from the panel or opening the instrument enclosure as shown in photograph on page 2. A customer specified scale card is a no cost accessory when an Advisor meter is ordered. A pack of 30 scale cards pre-printed with common legends is available for on-site configuration.

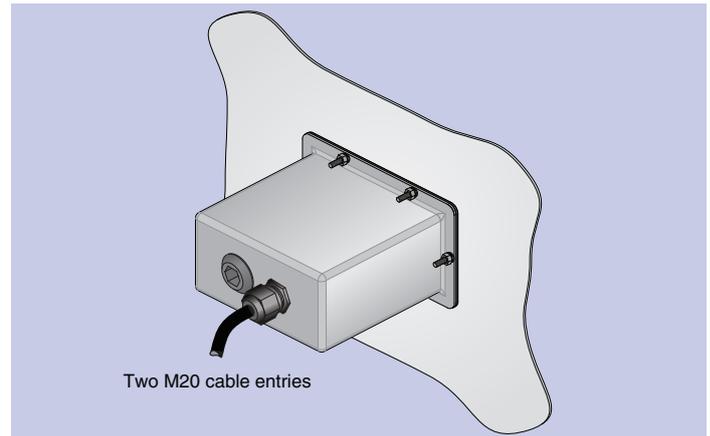
Tag number

Customer specified tag number or application information can be thermally printed or laser etched onto the instrument rear panel adjacent to the terminals.

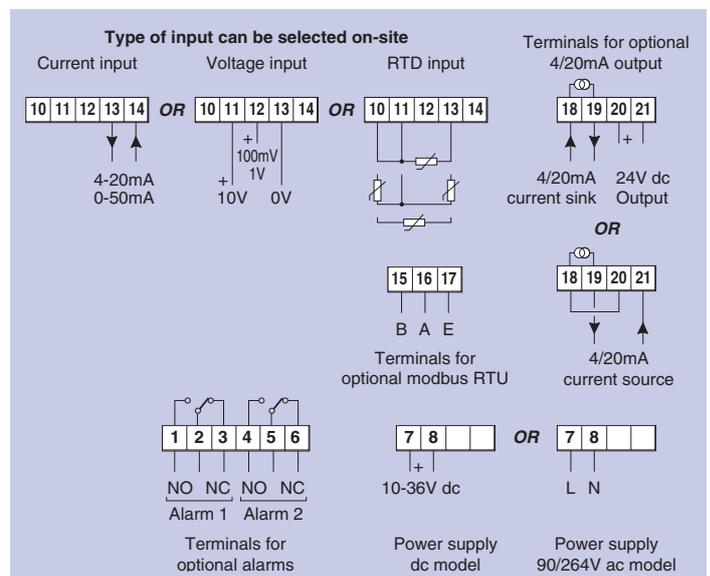


BA495 IP66 rear cover & sealing kit

Stainless steel cover provides impact and IP66 protection to the rear of the instrument.



Terminal Connections



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