



[Modbus added to Multicolour Display](#)

BEKA associates have added an optional Modbus RTU interface to their universal multicolour display panel meters. The isolated two wire RS485 interface enables the panel meter's display and status to be remotely read. The panel meter can also be configured via the interface further extending applications for these new high quality instruments.

Each meter has a colour selectable, five digit and thirty one segment bargraph display visible in all lighting conditions from bright [\(Read More\)](#)

sunlight to total darkness. The display colour can be linked to the meter's alarm status, providing operators with a very conspicuous 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 operator's preference.

The meters accept process current, voltage and resistance thermometer inputs and versions are available for operation from a low voltage dc or a mains power supply. All models have IP66 front of panel protection. For applications in hostile and marine environments, the rugged A90-SS has a 316 stainless steel enclosure and an impact resistant toughened glass window. For installation in an open panel, the BA495 sealing kit provides IP66 rear of panel protection for A90 and A90-SS meters, including cable gland entry facilities.

The meters have a wealth of standard features including, minimum and maximum display memories, root extraction for flow applications and a tare function for weighing.

As with all BEKA instruments, configuration is performed via the front panel buttons using the common simple intuitive menu, or via the optional Modbus interface. Meters may be calibrated

to show the input signal in engineering units without the need for an external voltage or current source, or for the meter input to be disconnected from the field wiring. A novel fully protected slide-in scale card may be marked to clearly show the display units and meter function.

Accessories include dual alarms each with a change over relay output, an isolated 4/20mA output with an isolated 24V dc supply for powering a remote transmitter.

Although easy to configure on-site, meters can be supplied from stock calibrated to customer's requirement, including a customer specified printed scale card, for no additional charge.

BEKA instruments are designed and manufactured in the UK and are supported by a three year guarantee. For users wishing to evaluate an instrument on-site, a free three month sale or return evaluation service is available.

For further information including datasheets and ingress certificates please visit <http://www.beka.co.uk/advisors.html> or phone the BEKA sales office on 01462 438301.