

Meet the

PAGEANT FAMILY

A GROWING RANGE OF HAZARDOUS AREA INSTRUMENTS



CODESYS®

Programmable Displays and PLCs



NEW

8 input 4/20mA indicators
Pre-programmed, ready to install



NEW

Modbus indicators
Pre-programmed, ready to install

BEKA
Intrinsically Safe since 1983



www.beka.co.uk

NEW BA329

8 input 4/20mA indicator

Based on a Pageant intrinsically safe, panel mounting 7 inch Operator Display, the BA329 is an 8 input 4/20mA indicator. The indicator only requires configuration and calibration which is performed via the front panel touch buttons **No programming required.**

Like BEKA loop powered indicators, the BA329 can be supplied configured and calibrated to customer requirements, ready to install, for no additional charge.

- Intrinsically safe for use in Zone 1, 2, 21 or 22.
- Certified for installation in an Ex e or Ex t enclosure.
- Two AI and a CPU module are included
- No programming required
- Configuration & calibration via front panel touch buttons.
- 1 to 8 variables per screen, including bargraphs, units of measurement and tags.
- 7 inch backlit screen visible in all lighting conditions.
- IP66 stainless steel front panel:

BA329-GL Toughened glass window.

BA329-PC Impact resistant window certified for installation in an Ex e or Ex t enclosure.

NEW BA489

Modbus RTU Display

Based on a Pageant intrinsically safe, panel mounting 7 inch Operator Display, the BA489 is an 8 process variable Modbus RTU display. The display only requires configuration which is performed via the front panel touch buttons **No programming required.**

Like the smaller BEKA BA488C Modbus display, which has been available for many years, the BA489 can be supplied configured to customer requirements, ready to install, for no additional charge.

- Intrinsically safe for use in Zone 1, 2, 21 or 22.
- Certified for installation in an Ex e or Ex t enclosure.
- CPU module with Comms is included
- Configuration via front panel touch buttons.
- 1 to 8 variables per screen including bargraphs, units of measurement and tags.
- 8 operator touch buttons
- 7 inch backlit screen visible in all lighting conditions.
- IP66 stainless steel front panel:

BA489-GL Toughened glass window.

BA489-PC Impact resistant window for installation in an Ex e or Ex t enclosure.



PAGEANT PROGRAMMABLE

HAZARDOUS AREA OPERATOR DISPLAY

Versatile combined intrinsically safe Operator Display and CODESYS® PLC which are the core of the Pageant family. Each display can accommodate up to seven, individually certified plug-in input and output interface modules, plus a certified CPU module with optional external communications.

The 7 inch display, PLC and the front panel touch button functions are programmable via the resident CODESYS® software. With the required plug-in interface modules fitted, inputs can be received from hazardous area process transducers, and outputs sent to hazardous area actuators.

Programming can be performed by the installer, or Pageant can be supplied programmed, tested and ready for use by a BEKA Value Added Reseller (VAR).

- Intrinsically safe for use in Zone 1, 2, 21 or 22.
- Certified for installation in an Ex e or Ex t enclosure.
- IECEx and ATEX certification
- 7 inch backlit display screen
- IEC 61131 compliant PLC
- Up to 7 plug-in certified input or output modules.
- 8 Touch buttons with tricolour annunciators.
- IP66 stainless steel front panel.





Intrinsically Safe Operator Display
 LCD with adjustable brilliance white backlight
 178mm (7 inch) diagonal 320 x 240 pixels
 8 Touch buttons with tri-colour annunciators.
BA3101 Toughened glass display window
BA3102 Certified impact resistance front panel
 Allows installation in an Ex e or Ex t enclosure without invalidating the enclosure certification



BA3201
CPU without external communication
 Operating system, memory and power distribution
 CODESYS PLC IEC 61131 compliant



BA3202
CPU with Modbus RTU communication
 Operating system, memory and power distribution
 CODESYS PLC IEC 61131 compliant
 Modbus Master or Slave
 Isolated RS485-IS



BA212
Power Isolator IIA or IIB applications
 4.4W Typical output
 Safe area or zone 2 mounting
 DIN rail mounting, 22.5mm Wide



BA243
Power Isolator IIC applications
 4-Channel, combined output 4.4W
 Safe area or zone 2 mounting
 DIN rail mounting, 97mm Wide



BA3901
Power Combiner
 Required for BA243
 Extends cable length for IIC applications
 Mounts onto CPU Module



BA3301
Analogue input module
 4 x 4/20mA inputs
 Individually isolated unpowered inputs
 Consumes 4% of power available for modules



BA3401
Digital input module
 8 x Contact or open collector
 Quadrature decoder using 2 inputs
 Consumes 4% of power available for modules



BA3402
Digital input module
 8 x NAMUR 2 wire proximity detector inputs
 Quadrature decoder using 2 inputs
 Consumes 40% of power available for modules



BA3501
Analogue output module
 4 x 4/20mA outputs
 Individually isolated unpowered outputs
 Consumes 4% of power available for modules



BA3601
Digital output module
 4 solid state contact outputs
 Individually isolated
 Consumes 4% of power available for modules



BA3701
Totaliser/counter module
 2 Non-isolated 2-wire NAMUR inputs
 2 Isolated synchronous pulse outputs
 Consumes 24% of power available for modules



BA3902
USB Programming Cable
 Dedicated to Pageant
 Required to protect IS circuits



BA3903
RS485-IS Connector
 Sub D9 connector
 Required for connecting CPU to RS485-IS comms

COMMON SPECIFICATION

Power supply

Voltage	20 to 30Vdc via BEKA Power Isolator
Current	Depends on model

Certification (See specific data sheet for details)

IECEX	Ex ia IIC T4 Ga Ex ia IIIC T135°C Da
ATEX	II 1G Ex ia IIC T4 Ga II 1D Ex ia IIIC T135°C Da
North America	Contact sales@beka.co.uk

* Dust certification requires IP54 enclosure

Environmental

Operating Temp	-40 to 65°C (Display -20 to 65°C)
Storage Temp	-40 to 85°C
Humidity	to 95% at 40°C non-condensing
EMC	Complies with EMC directive 2014/30/EU

Ingress Protection

Display	IP66 (front) IP20 (rear)
Modules	IP20

Weights

See individual data sheets

DIMENSIONS

