

SPECIFICATION

Display

Type	Liquid crystal 5 digit 20mm high (-99999 to 99999)
Variables	31 segment bargraph 8

Fieldbus communication

Voltage	9 to 32V (Limited by intrinsic safety parameters)
Current	13mA
Compliant with	IEC61158-2 31.25kb/s Voltage Mode Clauses 11 and 22
Protocol	PROFIBUS PA
Profibus User Organisation.	Approval certificate Z01505
Function	Fieldbus Node or Listener selected via front panel push buttons.
Function blocks	
Profibus PA node	8 x AO; 6 x DI
Listener	Captures date in DS-33 format

Intrinsic safety

Europe ATEX & UKEX

Code	Group II Category 1G Ex ia IIC T4 Ga FISCO field device Ex ia IIC T4 Ga Group II Category 3G Ex ic IIC T4 Gc Ta = -40°C to 70°C		
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Input parameters	FISCO	Ex ia entity	Ex ic entity
Ui	17.5V	22.0V	32V
Ii	380mA	250mA	125mA
Pi	5.32W	1.2W	1W

Location Zone 0, 1 or 2

Cert. No. [ITS06ATEX25314X](#) & [ITS21UKEX0085X](#)

USA FM

Standard Code 3610 Entity
CL I: Div 1
GP A, B, C & D
T4 @ 70°C

Standard Code 3611 Nonincendive
CL I: Div 2
GP A, B, C & D
T4 @ 70°C

File [3027031](#)

Canada cFM

File [3027031C](#)

International IECEx

Code As ATEX code shown above
Cert. No. [IECEx ITS 06 0013X](#)

India CCOE/PESO

As ATEX - [see certificate](#)

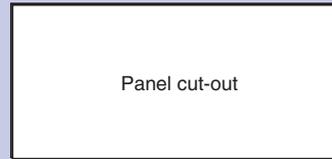
Environmental

Operating temp	-20 to 70°C (ATEX, FM & IECEx certification -40°C to 70°C)
Storage temp	-40 to 85°C
Humidity	To 95% @ 40°C
Enclosure	Front IP66, rear IP20
EMC	Complies with EU & UK EMC Directives

Mechanical

Terminals	Removable with screw clamp for 0.5 to 1.5mm ² cable.
Weight	0.7kg

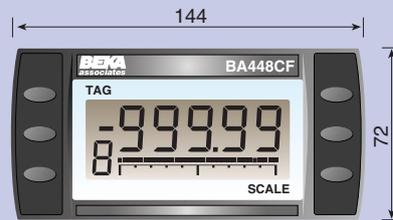
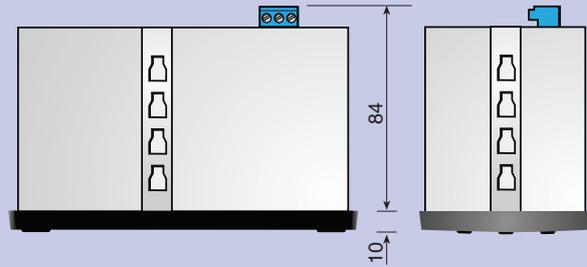
DIMENSIONS (mm)



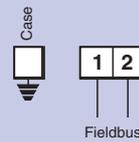
Recommended panel cut-out

To achieve an IP65 seal between the instrument and the panel 136.0 +0.5/-0.0 x 66.2 +0.5/-0.0 Four panel mounting clips must be used

DIN 43 700
138.0 +1.0/-0.0 x 68.0 +0.7/-0.0



TERMINAL CONNECTIONS



Non polarised

Accessories

Scale legend	Units of measurement marked onto display escutcheon.
Tag legend	Tag number or application marked onto display escutcheon.
Interface guide	May be downloaded from www.beka.co.uk

HOW TO ORDER

	Please specify
Model number	BA448CF-P PROFIBUS
	Please specify if required
Accessories	
Escutcheon markings	
Scale	Legend
Tag	Legend
Tag strip	Legend