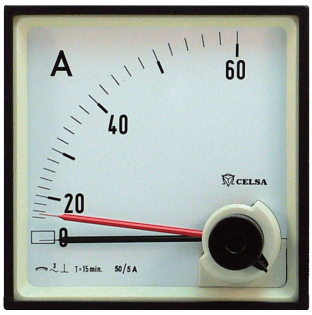
BIQ...n - Maximum demand indicator



- Maximum power diameter with drag indicator
- Class 3
- For connection to current transformers
- Secondary 5 A or secondary 1 A
- With interchangeable scale

Description

The system of this instrument consists of 2 bimetallic spirals which are installed working one against each other.

One bimetallic spiral works electricity driven, the other bimetallic spiral compensates by working against the other the ambient temperature which can vary from -10°C up to +55 °C.

A black pointer is coupled at this system which includes a red pointer whereat this red pointer stands still on the respectively reached highest value. The bimetallic instruments are thermically time-declined and indicate the average effective value.

Short-term current peaks don't have any influence on the measuring result. The instrument has a sealable resetting knob with which the red drag indicator can be resetted on the position of the meter's movement pointer.
(Do not turn lower!).

Thermal time delay 15 min.

Maximun demand indicators are especially suited for the supervision of thermal load of cables and transformers.

Overload capacity according to DIN 43780

Continuously	1.2 times
Short duration	10 times 1s

Adjustable scale factor disc for sticking available:
The adjustable scale factor disc extends the scale by the respectively adjusted constant.

Norm-values of scale factor disc:
Type I: 1-2-2,5-3-4-5-6-7-8-9-10

Technical Features

Type		BIQ72	BIQ96n	BIQ144s
Front frame (mm)		72 x 72	96 x 96	144 x 144
Scale length (mm)		91	97	139
Consumption	.../5A	2,5 VA	2,5 VA	2,5 VA
	.../1A	1,6 VA	1,6 VA	1,6 VA
Setting time at transformer 15 min	..../5A	●	●	❍
	.../1A	●	●	❍
Transformer primary current (A) = 100%		final scale value (A) = 120% Primary rated current + 20% overload		
A	5	6	6	6
	10	12	12	12
	15	18	18	18
	20	24	24	24
	25	30	30	30
	30	36	36	36
	40	48	48	48
	50	60	60	60
	60	72	72	72
	75	90	90	90
	100	120	120	120
	125	150	150	150
	150	180	180	180
	200	240	240	240
	250	300	300	300
	300	360	360	360
	400	480	480	480
	500	600	600	600
	600	720	720	720
	750	900	900	900
	800	960	960	960
	1,0 kA	1,2 kA	1,2 kA	1,2 kA
	1,2 kA	1,4 kA	1,4 kA	1,4 kA
	1,5 kA	1,8 kA	1,8 kA	1,8 kA
	2,0 kA	2,4 kA	2,4 kA	2,4 kA
	2,5 kA	3,0 kA	3,0 kA	3,0 kA
	3,0 kA	3,6 kA	3,6 kA	3,6 kA
	4,0 kA	4,8kA	4,8kA	4,8kA
Terminal cover		●	●	●

● available ❍ on request

Backside terminal cover for protection according to VBG 4
(Please indicate when ordering)

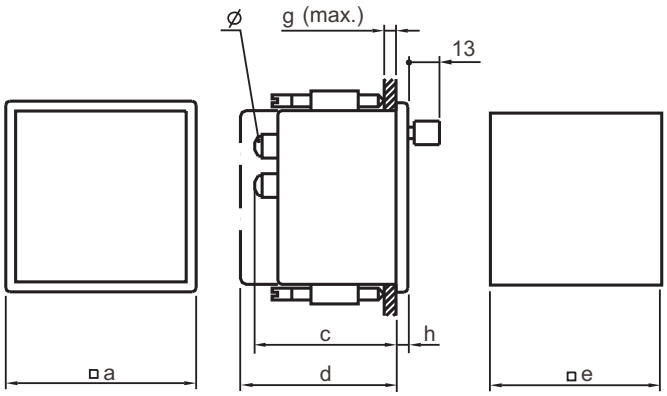
Celsa Messgerate España S.L
info@celsaspain.com / +34 96 130 93 78

BIQ...n - BOQn

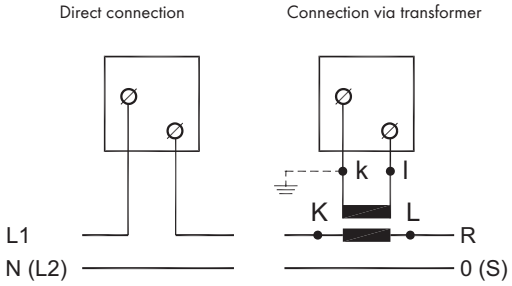
Housing dimensions of bimetallic moving iron panel instruments

Dimensiones in mm / Weight in gramme									
Type	Dimensions	a	c	d	e	g	h	Ø	Weight
BIQ72n	.../5 A	72	55	74	$68^{+0,7}$	8[1]	4,6	M6	190
	.../1 A	72	55	74	$68^{+0,7}$	8[1]	4,6	M4	190
BIQ96n	.../5 A	96	55	74	$92^{+0,8}$	8[1]	5	M6	250
	.../1 A	96	55	74	$92^{+0,8}$	8[1]	5	M8	250
BIQ144s	.../5 A	144	70	-	138^{+1}	10	8	M4	625
	.../1 A	144	70	-	138^{+1}	10	8	M6	750
BOQ72n	.../5 A	72	55	74	$68^{+0,7}$	8[1]	4,6	M8	230
	.../1 A	72	55	74	$68^{+0,7}$	8[1]	4,6	M4	220
BOQ96n	.../5 A	96	55	74	$92^{+0,8}$	8[1]	5	M6	290
	.../1 A	96	55	74	$92^{+0,8}$	8[1]	5	M8	280
BEQ144s	.../5 A	144	70	-	138^{+1}	10	8	M4	680
	.../1 A	144	70	-	138^{+1}	10	8	M4	795

[1] 26 mm with fixing screws



Connection diagrams BIQ / BOQ



Celsa Messgerate España S.L
info@celsaspain.com / +34 96 130 93 78