

BOQ...n



Maximum demand indicator with additional moving iron ammeter



- For connection to current transformer
- Secondary 5 A or secondary 1 A
- Class 3 and 1.5
- With interchangeable scale

Description

These instruments consist of a bimetallic maximum demand indicator combined with a moving iron system.

The bimetallic meter movement with its drag indicator shows the maximum value, the moving iron meter the present value. They are working smoothly at temperatures between -10 °C and +55 °C because of their robust assembling.

The instrument has a sealable resetting knob with which the red drag indicator can be reset on the position of the meter movement's pointer. (Do not turn lower!).

The instruments can be furnished with a scale factor disc. (see BIQ, page 4/15)

The instruments are available in the size 96 x 96 also with an added saturation current transformer.

Overload capacity according to DIN 43780

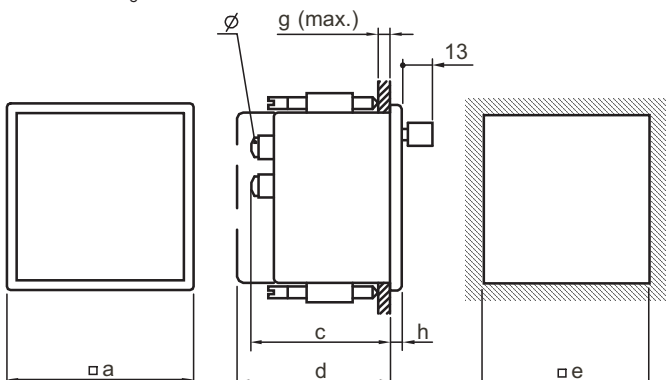
- Continuously: 1.2 times
- Short duration: 10 times 1s

Connection see BIQ (see on page 4/15)

Housing dimensions of bimetallic moving iron panel instruments

Dimensions 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



Technical Features

Type		BOQ72	BOQ96n	BOQ144s
Front frame	(mm)	72 x 72	96 x 96	144 x 144
Scale length	(mm)	52	71	90
	Bimetallic moving iron	61	90	90
Consumption	.../5A	3,4 VA	3,4 VA	2,7 VA
	.../1A	2,5 VA	2,5 VA	2,5 VA
Setting time	at transformer			
15 min	.../5A	●	●	●
	.../1A	●	●	●
Transformer primary current (A)		final scale value (A)		
		Bimetallic system	Movin iron system	
= 100%		△ 20% overload = 120%	△ 100% overload = 120%	
A	5	6	10	
	10	12	20	
	15	18	30	
	20	24	40	
	25	30	50	
	30	36	60	
	40	48	80	
	50	60	100	
	60	72	120	
	75	90	150	
	100	120	200	
	125	150	250	
	150	180	300	
	200	240	400	
	250	300	500	
300	360	600		
400	480	800		
500	600	1,0 kA		
600	720	1,2 kA		
750	900	1,5 kA		
800	960	1,6 kA		
1,0 kA	1,2 kA	2,0 kA		
1,2 kA	1,4 kA	2,4 kA		
1,5 kA	1,8 kA	3,0 kA		
2,0 kA	2,4 kA	4,0 kA		
2,5 kA	3,0 kA	5,0 kA		
3,0 kA	3,6 kA	6,0 kA		
4,0 kA	4,8kA	8,0 kA		
Terminal cover or rubber grommets (1 set. = 2 pcs.)		●	●	●

● available ○ on request

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