

CURRENT TRANSFORMERS FOR MEDIUM VOLTAGE CABLES

TECHNICAL CHARACTERISTICS

- Maximum diameter of the primary cable 50mm
- Frequency: 40 - 60Hz
- Insulation voltage: 0,72 kV
- Test voltage: 3kV for 1 minute
- Insulation: class E
- Permanent overload: 1,2 In
- Minimum protection degree: IP55
- Thermic current (I_{th}): 40 - 80 lpn for 1 second
- Dynamic current (I_{din}): 2,5 I_{ter} for 1 second

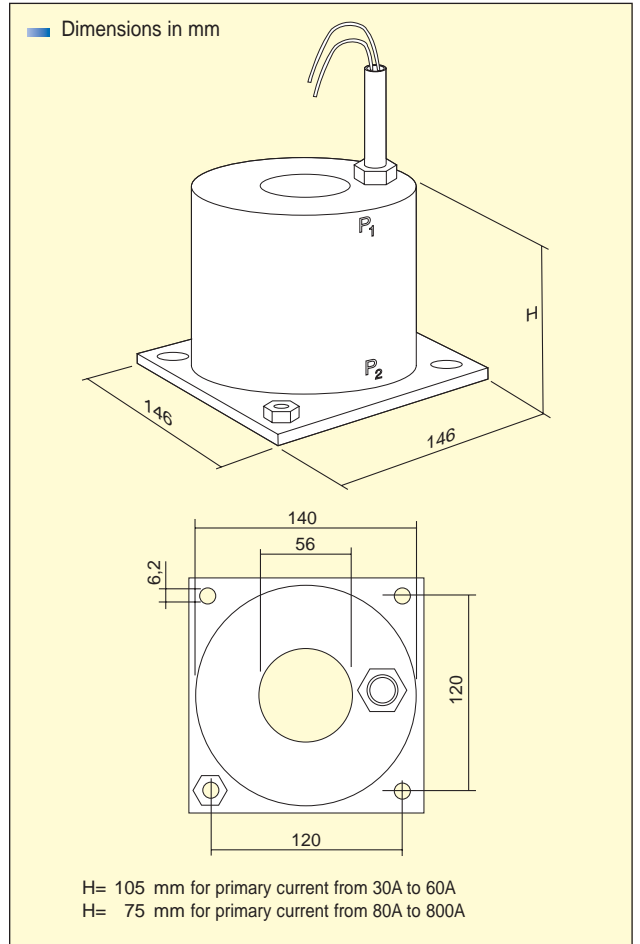
- Safety factor (Fs): < 10 for the measuring transformers
- Working temperature: -25°C ÷ +50°C
- Storage temperature: -40°C ÷ +80°C
- Standards CEI 38-1
- Measuring CT: primary P1-P2 secondary 1S1 (blue wire) - 1S2 (black wire)
- Protection CT: primary P1-P2 secondary 2S1 (red wire) - 2S2 (grey wire)

MECHANICAL CHARACTERISTICS

- Metallic tube, thickness 3mm
- Metallic base, thickness 2mm on which the earth screw is soldered
- Dust varnishing in black colour
- Tropicalisation and antivibrating system included as that the magnetic core is immersed in quartzed resin
- Secondary wires, coloured: length: 30 cm section: 2,5 mm²

TAN1M - MEASURING TRANSFORMERS

- Other characteristics on request



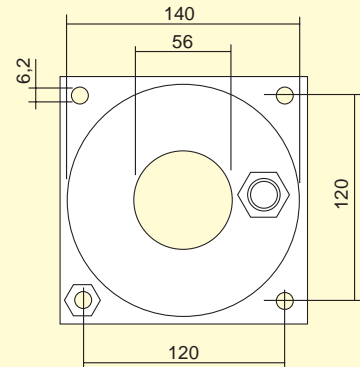
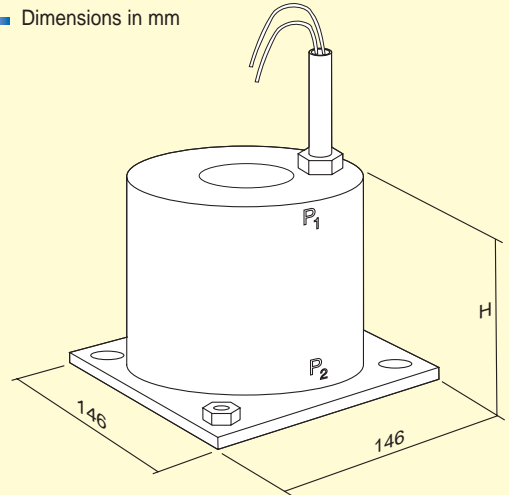
A	H(mm)	kg	class 1			
primary current	height	weight	secondary current 5A		secondary current 1A	
			code	VA	code	VA
30	105	9,5	TAN1M 30A	4	TAN1M1 30A	4
40	105		TAN1M 40A	6	TAN1M1 40A	6
50	105		TAN1M 50A	8	TAN1M1 50A	8
60	105		TAN1M 60A	10	TAN1M1 60A	10
80	75		TAN1M 80A	7	TAN1M1 80A	7
100	75		TAN1M 100A	8	TAN1M1 100A	8
120	75	7,5	TAN1M 120A	10	TAN1M1 120A	10
150	75		TAN1M 150A	12	TAN1M1 150A	12
200	75		TAN1M 200A	15	TAN1M1 200A	15
250	75		TAN1M 250A	18	TAN1M1 250A	18
400	75		TAN1M 400A	20	TAN1M1 400A	20
600	75		TAN1M 600A	25	TAN1M1 600A	25
800	75	5	TAN1M 800A	30	TAN1M1 800A	30

TAN1P - PROTECTION TRANSFORMERS

Other characteristics on request



Dimensions in mm



H= 165 mm for primary current from 30A to 60A
 H= 105 mm for primary current from 80A to 250A
 H= 75 mm for primary current from 400A to 800A

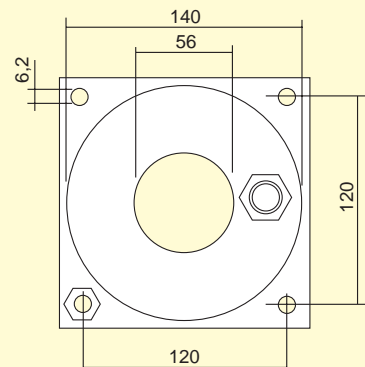
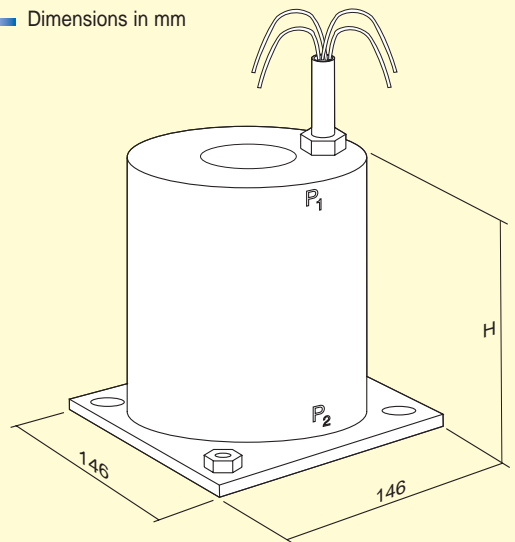
A	H (mm)	kg	class 5P10			
primary current	height	weight	secondary current 5A		secondary current 1A	
			code	VA	code	VA
30	165	12	TAN1P 30A	3,3	TAN1P1 30A	3,3
40	165		TAN1P 40A	4,2	TAN1P1 40A	4,2
50	165		TAN1P 50A	5,3	TAN1P1 50A	5,3
60	165		TAN1P 60A	6,5	TAN1P1 60A	6,5
80	105		TAN1P 80A	4,5	TAN1P1 80A	4,5
100	105		TAN1P 100A	5	TAN1P1 100A	5
120	105	8	TAN1P 120A	6	TAN1P1 120A	6
150	105		TAN1P 150A	7,5	TAN1P1 150A	7,5
200	105		TAN1P 200A	10	TAN1P1 200A	10
250	105		TAN1P 250A	12	TAN1P1 250A	12
400	75		TAN1P 400A	13	TAN1P1 400A	13
600	75		TAN1P 600A	15	TAN1P1 600A	15
800	75	5,5	TAN1P 800A	17	TAN1P1 800A	17

TAN2 - MEASURING AND PROTECTION TRANSFORMERS

Other characteristics on request



Dimensions in mm



H= 245 mm for primary current from 30A to 60A
 H= 165 mm for primary current from 80A to 800A

A	H (mm)	kg	class 1 - 5P10			
primary current	height	weight	secondary current 5A		secondary current 1A	
			code	VA	code	VA
30	245	20	TAN2 30A	4 - 3,3	TAN21 30A	4 - 3,3
40	245		TAN2 40A	6 - 4,2	TAN21 40A	6 - 4,2
50	245		TAN2 50A	8 - 5,3	TAN21 50A	8 - 5,3
60	245		TAN2 60A	10 - 6,5	TAN21 60A	10 - 6,5
80	165		TAN2 80A	7 - 4,5	TAN21 80A	7 - 4,5
100	165		13,5	TAN2 100A	8 - 5	TAN21 100A
120	165	TAN2 120A		10 - 6	TAN21 120A	10 - 6
150	165	TAN2 150A		12 - 7,5	TAN21 150A	12 - 7,5
200	165	TAN2 200A		15 - 10	TAN21 200A	15 - 10
250	165	TAN2 250A		18 - 12	TAN21 250A	18 - 12
400	165	12		TAN2 400A	20 - 13	TAN21 400A
600	165		TAN2 600A	25 - 15	TAN21 600A	25 - 15
800	165		TAN2 800A	30 - 17	TAN21 800A	30 - 17

TAR70 - 0,72 kV

- Maximum diameter of the primary cable: 70 mm
- Frequency: 40 - 60Hz
- Test voltage: 3kV for 1 minute
- Insulation: class E
- Permanent overload: 1,2 In
- Minimum protection degree: IP55
- Thermic current (Ith): 40 - 80 Ipn for 1 second

- Dynamic current (Idin): 2,5 Iter for 1 second
- Safety factor (Fs): < 10 for the measuring transformers
- Working temperature: -25°C ÷ +50°C
- Storage temperature: -40°C ÷ +80°C
- Standards CEI EN60044-1

Different burdens on request

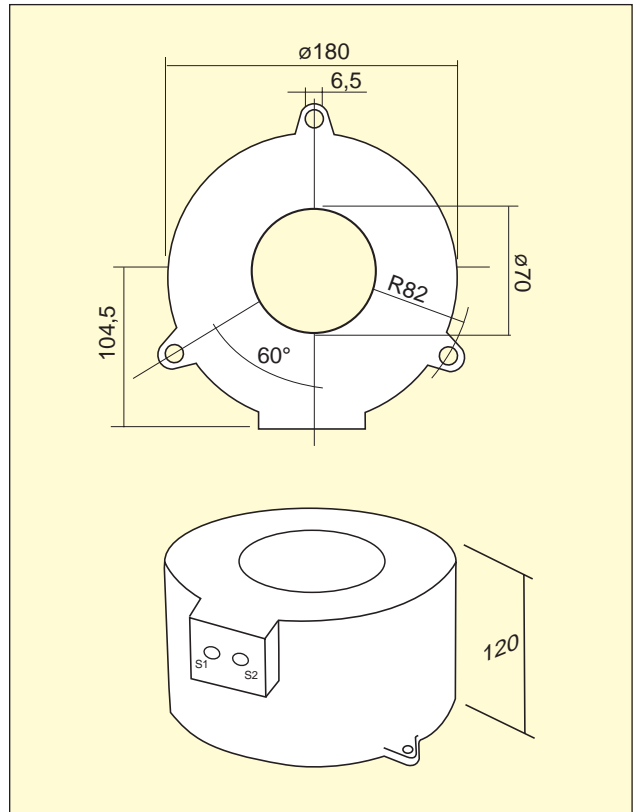


MEASURING TRANSFORMERS

A	kg	class 0,5			
		secondary current 5A		secondary current 1A	
		code	VA	code	VA
75	10	TAR70 75/5 CL0,5 2	2	TAR70 75/1 CL0,5 2	2
100		TAR70 100/5 CL0,5 4	4	TAR70 100/1 CL0,5 4	4
200		TAR70 200/5 CL0,5 5	5	TAR70 200/1 CL0,5 5	5
250		TAR70 250/5 CL0,5 5	5	TAR70 250/1 CL0,5 5	5
300		TAR70 300/5 CL0,5 10	10	TAR70 300/1 CL0,5 10	10

PROTECTION TRANSFORMERS

A	kg	class 5P10			
		secondary current 5A		secondary current 1A	
		code	VA	code	VA
50	10	TAR70 50/5 5P10 3	3	TAR70 50/1 5P10 3	3
60		TAR70 60/5 5P10 3	3	TAR70 60/1 5P10 3	3
75		TAR70 75/5 5P10 3	3	TAR70 75/1 5P10 3	3
100		TAR70 100/5 5P10 10	10	TAR70 100/1 5P10 10	10
200		TAR70 200/5 5P10 10	10	TAR70 200/1 5P10 10	10
250		TAR70 250/5 5P10 10	10	TAR70 250/1 5P10 10	10
300		TAR70 300/5 5P10 10	10	TAR70 300/1 5P10 10	10



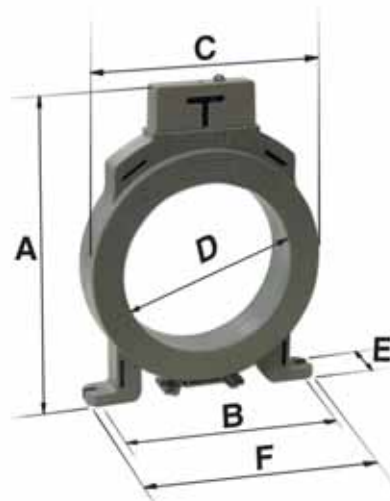
TAR11 and TAR16 - 0,72 kV

- Maximum diameter of the primary cable:
160 mm for TAR16
110 mm for TAR11
- Frequency: 40 - 60Hz
- Test voltage: 3kV for 1 minute
- Insulation: class E
- Permanent overload: 1,2 In
- Minimum protection degree: IP55
- Thermic current (Ith): 40 - 80 Ipn for 1 second
- Dynamic current (Idin): 2,5 Iter for 1 second
- Safety factor (Fs): < 10 for the measuring transformers
- Working temperature: -25°C ÷ +50°C
- Storage temperature: -40°C ÷ +80°C
- Standards CEI EN60044-1

Different burdens on request

MEASURING TRANSFORMERS

A	kg	class 3	
		secondary current 1A	
		code	VA
50	10	TAR16 50/1 CL3 0,5	0,5
50		TAR11 50/1 CL3 1	1



	D	A	B	C	E	F	kg
TAR11	110	198	140	150,5	32	155	0,45
TAR16	160	248	181	200,5	32	197	0,65