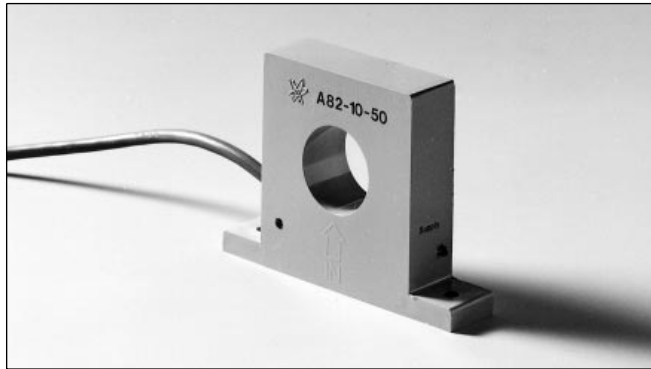


Current and Voltage Controls

AC Current Transformer

Types A 82-10, A 82-20



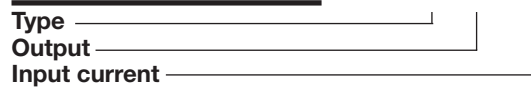
- 5 types of input: 0 - 25 AAC
0 - 50 AAC
0 - 100 AAC
0 - 250 AAC
0 - 500 AAC
- Output: A 82-10: 0 - 20 mADC (source)
A 82-20: 4 - 20 mADC (sink)
- Easy interface to PLC or setpoint relays

Product Description

AC current metering transformer for 25, 50, 100, 250 or 500 AAC. Output current from the transformer is 0-20 mADC or 4-20 mADC in accordance with IEC 381. Can

be used with relay EID, EII or S183 or directly connected to a PLC. Power supply ON is indicated by a green LED on the side of the housing.

Ordering Key **A 82-10 50**



Type Selection

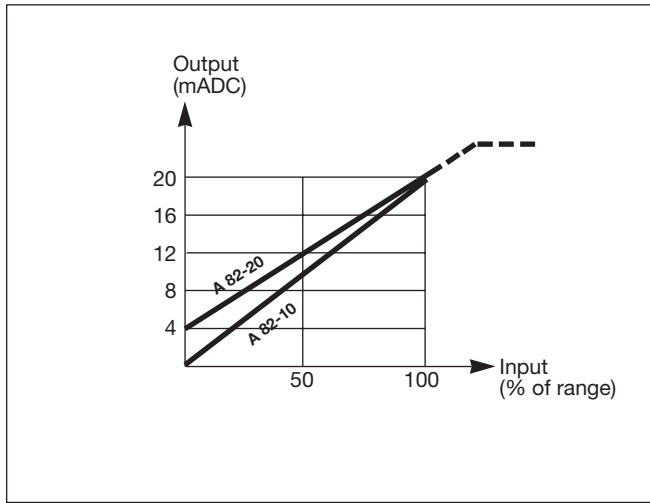
Input current	Output current	Type no.
25 AAC	0 - 20 mA	A 82-10 25
50 AAC	0 - 20 mA	A 82-10 50
100 AAC	0 - 20 mA	A 82-10 100
250 AAC	0 - 20 mA	A 82-10 250
500 AAC	0 - 20 mA	A 82-10 500
25 AAC	4 - 20 mA	A 82-20 25
50 AAC	4 - 20 mA	A 82-20 50
100 AAC	4 - 20 mA	A 82-20 100
250 AAC	4 - 20 mA	A 82-20 250
500 AAC	4 - 20 mA	A 82-20 500

Input Specifications

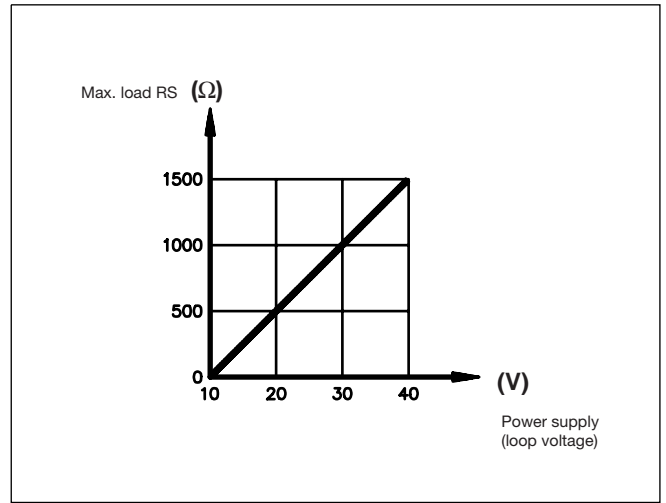
	A 82-10/20 25	A 82-10/20 50	A 82-10/20 100	A 82-10/20 250	A 82-10/20 500
Current range	0 - 25 AAC	0 - 50 AAC	0 - 100 AAC	0 - 250 AAC	0 - 500 AAC
Max. current (continuously)	30 AAC	60 AAC	120 AAC	300 AAC	600 AAC
Max. overload current (t = 30 s)	250 AAC	300 AAC	700 AAC	1500 AAC	3000 AAC
Rated insulation voltage					
Input - output	1000 VAC _{rms}	1000 VAC _{rms}	1000 VAC _{rms}	1000 VAC _{rms}	1000 VAC _{rms}
Overvoltage category (IEC 60664)	IV	IV	IV	IV	IV
Pollution degree (IEC 60664)	3	3	3	3	3
Dielectric strength					
Dielectric voltage	6 kVAC _{rms}	6 kVAC _{rms}	6 kVAC _{rms}	6 kVAC _{rms}	6 kVAC _{rms}
Rated impulse withstand volt.	12 kV (1.2/50 µs)	12 kV (1.2/50 µs)	12 kV (1.2/50 µs)	12 kV (1.2/50 µs)	12 kV (1.2/50 µs)



Input/Output Curve



Resistance/Voltage Curve



Max. load resistance versus loop voltage
Max. load RS. Power supply (loop voltage)