

() ,
INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

IEC 60050-431- 2022

431

(IEC 60050-431:1980 + Amd. 1 (2021), IDT)

2022

IEC 60050-431—2022

1.0 «
 1.2 «
 »
 1
 « (« « »)
 2
 3
 (14 2022 . 61)
 :

(3166) 004—97	(3166) 004—97	« »
	BY KG RU UZ	

4
 2022 . 886- IEC 60050-431—2022 7
 1 2023 .
 5 IEC 60050-431:1980 « -
 431. » («International electrotechnical
 vocabulary — Part 431: Transducers», IDT), Amd. 1 (2021).
 1- 22 « -
 (IEC). 1 (Amd.1) 00064 1
 « »
 6 17561—84

() -
 , , .
 , , .
 « -
 »
 ©IEC, 1980
 © « », 2022



IEC 60050-431—2022

431-01	.....	1
431-02	.....	1
431-03	.....	2
431-04	.....	3
431-05	.....	3
	.....	5
	.....	7

IEC 60050-431—2022

			50(12), 1955	-
	50(12)			-
				-
		1	22;	-
1977		1 (431) (	)1093,	
	1 (Amd.1)	00064		1
«	».			

431

International electrotechnical vocabulary. Part 431. Transducers

— 2023—01—01

431-01

- 431-01-01 (transductor): , , -
- 431-01-02 (transducer element): ,
- 431-01-03 (excitation winding): , -
- 431-01-04 (power winding): , -
- 431-01-05 (control winding): ,
- 431-01-06 (bias winding): ,
- 431-01-07 (self-excitation winding): , -
- 431-01-08 (auto self-excitation valve): , -

431-02

- 431-02-01 (output voltage; load voltage): -
- 431-02-02 (absorbed voltage):
- 431-02-03 (control current): ,
- 431-02-04 (control voltage):
- 431-02-05 () [static characteristic (of transducer); transfer curve (of a transducer)]:

IEC 60050-431—2022

431-02-06	(voltage ratio; voltage amplification):	-
431-02-07	(current ratio; current amplification):	-
431-02-08	(power amplification):	-
431-02-09	(total time constant):	-
431-02-10	(residual time constant):	-
431-02-11	(input time constant):	-
431-02-12	(response time):	-
431-02-13	(saturation inductance):	-
431-02-14	(saturation reactance):	-
431-02-15	(figure of merit):	-
1 (. IEV 712-02-55), (. IEV 561-01-26).	« (. IEV 712-02-56), «facteur de merite» (. IEV 561-01-26).	-
2		

431-03

431-03-01	(excitation of a transductor):	-
431-03-02	(self-excitation):	-
431-03-03	(auto self-excitation; self-saturation):	-
431-03-04	(separate self-excitation):	-
431-03-05	(critical self-excitation):	-
431-03-06	(ideal self-excitation):	-

431-04

		551
«	».	
431-04-01		(series
transductor):		,
431-04-02		(parallel
transductor):		,
431-04-03		(auto-transductor):
		-
431-04-04		(auto self-excited transductor):
		-
431-04-05	(	) [rectifier
connection (of an auto self-excited transductor):		,
		-
431-04-06	()
[complete bridge connection (of an auto self-excited transductor):		
431-04-07	()
[incomplete bridge connection (of an auto self-excited transductor):		
431-04-08		(free current operation; natural excitation):
		-
	(,
431-04-09		(constrained current operation; forced
excitation):		,
		-
	(,
		-
).		
431-04-10	—	(voltage
controlling transductor):		,
		-
431-04-11	—	(current controlling
transductor):		,
431-04-12		(half-cycle transductor):
1		-
2		-

431-05

431-05-01		(transductor regulator):	-
431-05-02		(magnetic amplifier transductor	
amplifier):		,	
431-05-03		(	) (measuring
transductor):		,	

IEC 60050-431—2022

431-05-04 current measuring transducer):	(	)	(direct	-
431-05-05	(transducer reactor):	,		-
431-05-06	(transducer fault limiting coupling):			-
431-05-07 (for trigger equipment):	(	)	[magnetic phase shifter	

IEC 60050-431—2022

431-04-12

431-01-08

431-03-04

431-02-12

431-04-05

431-02-10

431-02-15

431-03-06

431-05-03

()

431-05-04

431-02-13

431-02-08

431-02-06

431-02-07

431-03-05

431-01-01

431-04-02

431-04-01

431-04-04

431-04-03

—

431-04-11

—

431-04-10

431-05-02

431-05-01

()

431-05-07

431-02-01

431-02-04

()

431-04-07

IEC 60050-431—2022

	431-01-07
	431-01-03
	431-01-06
	431-01-05
	431-03-02
	431-02-02
	431-03-01
(	431-04-06
)	431-02-11
	431-01-04
	431-02-14
	431-05-05
	431-04-09
	431-04-08
,	431-03-03
	431-02-09
	431-02-03
	431-05-06
	X
(	431-02-05
)	431-01-02

IEC 60050-431—2022

absorbed voltage		431-02-02
auto self-excitation		431-03-03
auto self-excitation valve		431-01-08
auto self-excited transducer		431-04-04
auto-transducer		431-04-03
bias winding		431-01-06
	C	
constrained current operation		431-04-09
control current		431-02-03
control voltage		431-02-04
control winding		431-01-05
critical self-excitation		431-03-05
current amplification		431-02-07
current controlling transducer		431-04-11
current ratio		431-02-07
	D	
direct current measuring transducer		431-05-04
	E	
excitation of a transducer		431-03-01
excitation winding		431-01-03
	F	
figure of merit		431-02-15
forced excitation		431-04-09
free current operation		431-04-08
	H	
half-cycle transducer		431-04-12
	i	
ideal self-excitation		431-03-06
incomplete bridge connection (of an auto self-excited transducer)		431-04-07
input time constant		431-02-11
	L	
load voltage		431-02-01

IEC 60050-431—2022

magnetic amplifier		431-05 -02
magnetic phase shifter (for trigger equipment)		431-05 -07
measuring transducer		431-05 -03
	N	
natural excitation		431-04-08
	O	
output voltage		431-02-01
	P	
parallel transducer		431-04-02
power amplification		431-02-08
power winding		431-01-04
	R	
rectifier connection (of an auto self-excited transducer)		431-04-05
residual time constant		431-02-10
response time		431-02-12
	S	
saturation inductance		431-02-13
saturation reactance		431-02-14
self-excitation		431-03-02
self-excitation winding		431-01-07
self-saturation		431-03-03
separate self-excitation		431-03-04
series transducer		431-04-01
static characteristic (of a transducer)		431-02-05
	T	
total time constant		431-02-09
transducer		431-01-01
transducer amplifier		431-05-02
transducer element		431-01-02
transducer fault limiting coupling		431-05-06
transducer reactor		431-05-05
transducer regulator		431-05-01
transfer curve (of a transducer)		431-02-05
	V	
voltage amplification		431-02-06
voltage controlling transducer		431-04-10
voltage ratio		431-02-06

IEC 60050-431—2022

621.3:006.354

01.040.33
29. 020
33.020

IDT

: , , , , -

08.09.2022. 13.09.2022. 60*8478.
1,86. - 1,40.
,
« »
117418 , - , .31, .2.
www.gostinfo.ru info@gostinfo.ru