

GDTF-HVC AC Resonant Test System for Cables



Product Description

GDTF Series AC Resonant Test System For Cables Are Composed Of Frequency/Voltage Adjustment Power,Exciting Transformers, Reactors, Capacitive Divider.The Power Frequency Can Be Adjustable,Which Make The Reactor And Tested Capacitor Resonance.

Features

- Small size, light weight, portable design.

- Suitable for 35kV or below cables.
- Single parts not more than 30kg, easy to carry.
- 220V or 380V single phase power supply, convenient for on-site power sourcing.
- Dry type epoxy cast for reactor, nice and reliable, suitable for various types of cables.

Specifications

- Rated output voltage: 0 - 66kV(effective value) or below.
- Output frequency: 20 -300Hz.
- Resonant voltage waveform: sine wave, THD \leq 1%.
- Full load working time: continuous working time 60mins.
- Quality factor: max. load \geq 20.
- Frequency adjustment: fineness 0.1Hz, instability \leq 0.01%.
- Power supply: 220V or 380V single-phase.

Product Configuration

GDTF-44/22	
Input voltage (V)	380
Output voltage (kV)	0-22
Capacity (kVA)	44

Application scope	10kV cable \leq 1km(300 mm ²)
Main configurations	2.5kW Variable frequency source 1 set
	2.5kVA Exciting transformer 1 set
	Reactors 22kV/1A 2 sets
	Capacitive divider 25 kV
GDTF-88/22	
Input voltage (V)	380
Output voltage (kV)	0-22
Capacity (kVA)	88
Application scope	10kV cable \leq 2km(300 mm ²)
Main configurations	4kW Variable frequency source 1 set
	4kVA Exciting transformer 1 set
	Reactors 22kV/2A 4sets
	Capacitive divider 25 kV
GDTF-132/22	
Input voltage (V)	380
Output voltage (kV)	0-60

Capacity (kVA)	132
Application scope	10kV (300 mm ²) cable 3km
	35kV (300 mm ²) cable 1km
Main configurations	6kW Variable frequency source 1 set
	6kVA Exciting transformer 1 set
	Reactors 22kV/2A 3 sets
	Capacitive divider 60kV
GDTF- 176/22	
Input voltage (V)	380
Output voltage (kV)	0-60
Capacity (kVA)	176
Application scope	10kV (300 mm ²) cable 4km
	35kV (300 mm ²) cable 1km
Main configurations	7.5 kW Variable frequency source 1 set
	7.5 kVA Exciting transformer 1 set
	Reactors 22kV/2A 4sets
	Capacitive divider 60kV

GDTF-264/22	
Input voltage (V)	380
Output voltage (kV)	0-60
Capacity (kVA)	264
Application scope	10kV (300 mm ²) cable 6km
	35kV (300 mm ²) cable 2km
Main configurations	10kW Variable frequency source 1 set
	10kVA Exciting transformer 1 set
	Reactor 22kV/2A 6 sets
	Capacitive divider 60kV
GDTF-330/22	
Input voltage (V)	380
Output voltage (kV)	0-60
Capacity (kVA)	330
Application scope	10kV (300 mm ²) cable 8 km
	35kV (300 mm ²) cable 2.5 km
	10-35kV switchgear, transformers

Main configurations	15kW Variable frequency source 1 set
	15kVA Exciting transformer 1 set
	Reactor 22kV/2.5A 6 sets
	Capacitive divider 60kV
GDTF-640/32	
Input voltage (V)	380
Output voltage (kV)	0-130
Capacity (kVA)	640
Application scope	10kV (300 mm ²) cable 10 km
	35kV (300 mm ²) cable 4 km
	110kV cable ≤ 1km(400 mm ²)
	35-110kV GIS
Main configurations	25 kW Variable frequency source 1 set
	25 kVA Exciting transformer 1 set
	Reactor 32 kV/2.5A 8 sets
	Capacitive divider 130kV
GDTF-1280/ 32	

Input voltage (V)	380
Output voltage (kV)	0-130
Capacity (kVA)	1280
Application scope	10kV (300 mm ²) cable 20 km
	35kv (300 mm ²) cable 8km
	110kV cable ≤ 2km(400 mm ²)
	35- 110kV GIS
Main configurations	50kW Variable frequency source 1 set
	50kVA Exciting transformer 1 set
	Reactor 32kV/5A 8 sets
	Capacitive divider 130kV
GDTF-1950/130	
Input voltage (V)	380
Output voltage (kV)	0-520
Capacity (kVA)	1950
Application scope	110kV cable ≤ 2.5km
	220kv GIS

	110kV switchgear,transformers
Main configurations	100kW Variable frequency source 1 set
	100kVA Exciting transformer 1 set
	Reactor 130kV/3.75A 4sets
	Capacitive divider 520kV
GDTF-3250/130	
Input voltage (V)	380
Output voltage (kV)	0-520
Capacity (kVA)	3250
Application scope	110kV cable \leq 5km
	110kV/220kV switchgear
	GIS,transformers
Main configurations	150kW Variable frequency source 1 set
	150kVA Exciting transformer 1 set
	Reactor 130kV/6.25A 4sets
	Capacitive divider 520kV
GDTF-650 0/130	

Input voltage (V)	380
Output voltage (kV)	0- 520
Capacity (kVA)	6500
Application scope	110kV cable \leq 10km
	110kV/220kV switchgear
	GIS,transformers
Main configurations	300kW Variable frequency source 1 set
	300kVA Exciting transformer 1 set
	Reactor 130kV/ 12.5A 4sets
	Capacitive divider 520kV