

CONTROMAG GT



Mobile Crack Detectors



The CONTROMAG GT Range are mobile units intended for on-site inspections or for the examination of parts which are too heavy or too bulky to be placed on a stationary unit.

The magnetic particle inspection can be performed either by direct transmission of current in the part or by forming a solenoid with the magnetising cables. These cables are insulated with a synthetic rubber sleeve and fitted with snap connectors enabling cross-connection or connection to the generator.

TYPICAL COMPONENTS WHICH CAN BE INSPECTED : Large cast components - Large springs - Undercarriage systems - Turbines - Rolling mill cylinders - Train wheels - Etc...

- ✓ **GT -A provide AC magnetizing current**
- ✓ **GT -P provide both AC and HWDC magnetizing current**

CONTROL

The control and setting panel is located on the front of the unit:

- ✓ Main on/off switch
- ✓ Continuous current intensity adjustment button
- ✓ Current indicator lamp
- ✓ Connection plug for the remote control footswitch
- ✓ Timer
- ✓ 230V-50Hz plug for power supply to accessories (UV-A lamp)
- ✓ Ammeter

The connectors for the magnetization cables are located below the setting panel.

24 volts power supply for the remote control and signalling operations.

CONSTRUCTION

- ✓ The GT is mounted on large diameter rubber wheels and there are two swivelling wheels for easy handling.
- ✓ Range of steel frame for intensive use on site operation.
- ✓ Removable metal panels.
- ✓ All surfaces are painted
- ✓ Connection to power supply current via a connecting box located at the rear of the unit
- ✓ Protection by magneto thermic circuit breaker

ADDITIONAL ACCESSORIES

Special mobile spraying pump for the magnetic ink / UV-A lamp for inspection / Range of coil





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	MP215	GT4-A	GT4-P	GT6-A	GT6-P	GT8-A	GT8-P	GT10-A	GT10-P	GT14-A	GT14-P	GT18-A	GT18-P
Effective current*	AC 1600 A	AC 2 800	HWDC 2 000	AC 4 200	HWDC 3 000	AC 5 700	HWDC 4 000	AC 7 100	HWDC 5 000	AC 10 000	HWDC 7 000	AC 13 000	HWDC 9 000
Peak current*	A 2260	4 000	4 000	6 000	6 000	8 000	8 000	10 000	10 000	14 000	14 000	18 000	18 000
Relative duty cycle	% 2,5% to 100%	8,1% to 100%	16% to 100%	3,6% to 100%	7,1% to 100%	2% to 100%	4% to 100%	1,2% to 100%	2,5% to 100%	1,4% to 100%	2,9% to 100%	0,8% to 100%	1,8% to 100%
Open circuit voltage	V 4,9	8,50	6,00	9,98	7,06	13,01	9,20	25,48	18,01	28,66	20,27	30,24	21,38
AC demagnetizing	manual	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto

OPERATING DATA

Power supply	V 230	400	400	400	400	400	400	400	400	400	400	400	400
Frequency	Hz 50	50	50	50	50	50	50	50	50	50	50	50	50
Power consumption	KVA 8	30	34	50	60	76	104	185	256	290	316	360	400
Magnetization cable included	m 2 x 2,5m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m	2 x 3m
Cable cross section	mm ² 70	185	185	185	185	185	185	185	185	2 x 185	2 x 185	2 x 185	2 x 185
Display of True RMS current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Display of peak current	no	on demand	on demand	on demand	on demand	on demand	on demand	on demand	on demand	on demand	on demand	on demand	on demand

DIMENSIONS

Width	mm 530	784	784	784	784	784	784	784	784	800	800	800	800
Depth	mm 500	1330	1330	1330	1330	1330	1330	1330	1330	1510	1510	1510	1510
Height	mm 300	1068	1068	1068	1068	1068	1068	1068	1068	1200	1200	1200	1200
Weight	Kg 40	150	150	250	250	250	250	250	250	400	400	400	400

..... SREM Technologies - 14 Rue des Frères Chappé - France - 72200 LA FLECHE - France - Tél. (33) 02 43 48 15 10 - www.srem.fr - sales@srem.fr

*values measured in short-circuit with the magnetization cables