

Datasheet



0370 330 6021 www.sunbeltrentals.co.uk





- Mid-range circuit breaker analyser providing a new level of accuracy to your standard measurements
- Intuitive operation offers final measurement results with a minimum of user interaction
- Measurement performance inherited from market leader Megger TM series circuit breaker analysers
- Instrument and accessories designed for the most demanding field conditions
- Easy-to-use and intuitive interface

DESCRIPTION

EGIL200 is the first incarnation in a new range of circuit breaker analysers from Megger. It has been designed in close cooperation with global industry reference groups drawing experience from the market leading and hugely successful Megger TM series of circuit breaker analysers.

The emphasis in the development of the EGIL200 has been on ease of use, ensuring that the time spent on setting up measurements is kept to a minimum. As such, with the EGIL200, you can get your test results done in no time.

Connection to the test object has also been streamlined and with only one hook-up, all following operations or measurements can be made:

- 1. Timing of main and PIR contacts
- 2. Coil current analysis of close, open 1 and 2 coils
- 3. Station voltage measurements
- 4. Motion measurements
- 5. Motor current measurement
- 6. Minimum pickup voltage test for close, open 1 and open 2

With both main instrument and accessories designed for the most demanding field conditions, EGIL200 is your complete toolbox for daily, hassle-free circuit breaker condition assessments.

BENEFITS

EGIL200 offers all standard measurements from IEEE C37 and IEC 62271 standards and brings high-end features from the TM series into the affordable mid-range segment:

- Offers all standard measurements based on international standards
- Intuitive and user-friendly operation a minimum of user interventions needed from power-up of instrument to documented measurement result
- Instrument fitted in rugged IP67 rated case and accessories in easy-to-carry backpack
- Designed for medium to high voltage circuit breakers
- One-click reporting to pdf or printed on optional, integrated printer
- Dedicated control output for open coil 2
- Multi-functional control channels that, with only one connection, manage control pulses and can measure station voltages and coil currents
- Galvanically insulated and polarity independent auxiliary contact timing channels, automatically adapted for dry and wet contacts
- Accurate pre-insertion resistor contact timing and resistance value measurement thanks to patented Active Interference Suppression technology



FEATURES AND BENEFITS

1. CONTROL

Breaker control (close, open 1 and open 2) Station voltage and coil current measurement

- 2. PARKING SPACE For safe disconnection of coil circuits
- TIMING AUX
 3 channels for auxiliary contact timing
- 4. DIGITAL
- 3 digital inputs for incremental motion transducers
- 5. 1-3 BNC INPUTS 1-3 BNC inputs dedicated for current clamps
- 6. MULTI-PURPOSE CHANNELS 1-3 multi-purpose analogue channels

7. TIMING M/R, DRM/VDS

Timing of main and resistor contacts, DRM, SRM and VDS-timing on 1 break per phase

8. TIMING M/R

Timing of main and resistor contacts on up to 4 breaks per phase

- DCM DualGround[™] AND DRM for future use Input for DualGround[™] timing (opt. accessory) & DRM control output (opt. accessory)
- **10. USB AND ETHERNET PORT**

3 × USB A, 1 × USB B and 1 x RJ45

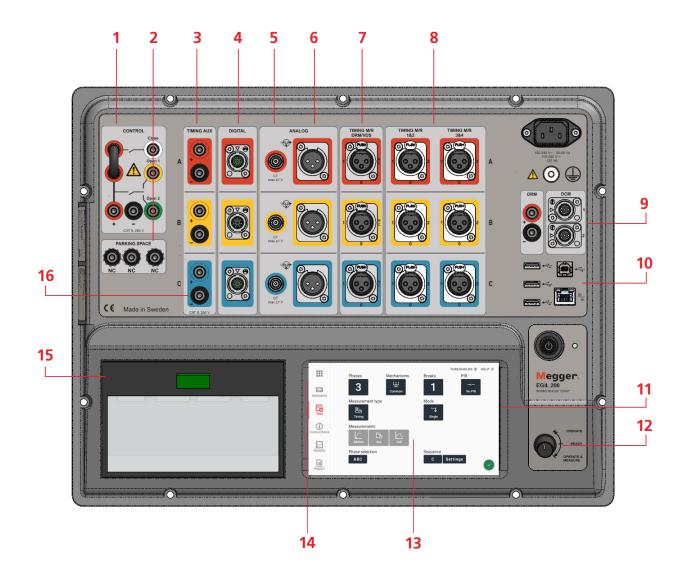
- **11. LCD SCREEN** 7" high visibility touch screen
- 12. OPERATE / MEASURE ROTARY SWITCH
- 13. ICONOGRAPHY
 - Contrast rich iconography for best visibility and understanding
- **14. USER INTERFACE**

Workflow based (Nameplate, test settings, connections, results, report)

15. PRINTER

Optional 4" thermal printer

16. COLOUR CODED CONNECTORS AND LEADS For easy verification of connections





SPECIFICATIONS EGIL200

Specifications are valid after 30 minutes warm up time. System time base drift 0.001 % per year. Specifications are subject to change without notice.

Environment

Environment	
Application field	For use in medium and high voltage sub- stations and industrial environments
Temperature	
Operating	-20 °C to +55 °C (-4 °F to +131 °F)
Storage & transport	-40 °C to +70 °C (-40 °F to +158 °F)
Humidity Altitude	5 % – 95 % RH, non-condensing
Operating	Up to 2000 m (6562 ft) max. 240 V AC / 250 V DC on mains, max. 250 V AC / 300 V DC on CONTROL and TIMING AUX inputs. Between 2000 m (6562 ft) and 5000 m (16404 ft) max. 150 V AC / DC on mains, CONTROL and TIMING AUX inputs
CE-marking	
LVD	2014/35/EU
EMC	2014/30/EU
RoHS	2011/65/EU
General	
Mains input (nominal)	100 – 240 V AC, 50/60 Hz, 110 – 250 V DC
Power consumption	200 VA (max.)
Dimensions	474 x 415 x 214 mm (18.7" 16.3" 8.4),
Weight	12 kg (26.5 lbs)
IP-rating (IEC 60529):	
Closed case	IP67
Open case	IP20
Display	7" (17.8 cm) LCD, Capacitive touch screen
Available languages	English, French, German, Spanish and

Communication interfaces

•~ 뤀

3 USB A, 1 USB B

Swedish

RJ45 connector for connection to external PC
On-screen and optional USB keyboard

Keyboard **External outputs**

Trig output for SDRM20X

Output voltage Short circuit protection

Switching current **Control section**

General

Delay

Control pulse outputs Time base inaccuracy Max. sample rate Measurement time Non-bouncing switch

Max. current Max. continuous current Duration

12 V DC ±10 %

PTC 250 mA

<250 mA, resistive load

Close, open 1 and open 2 (Galvanically insulated from earth and each other) ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate

20 A AC / DC, pulse \leq 20 ms 5 A

User configurable in steps of 1 ms User configurable in steps of 1 ms

Current measurem	ent
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Current measurement	
Measurement range Resolution	±20 A 16 bits
Inaccuracy	± 2 % of reading ± 0.1 % of range
Voltage measurement	• •
Max. voltage	250 V AC, ±300 V DC
Measurement range	
Resolution	16 bit
Inaccuracy	±1 % of reading ±0.1 % of range
Timing M/R section	11
No. of channels	3,6 or 12 selectable at ordering
Time base inaccuracy	± 0.01 % of reading ± 1 sample interval
Min. resolution	0.05 ms
Max. sample rate	40 kHz
Measurement time	36 s at 10 kHz sample rate
Timing of main and re	•
Open circuit voltage	Toggling ±12 V ±10 %
Short cicuit current	22 mA ±10 %
50/60 Hz interference	suppression
Active Interference S	uppression, Megger patent
Transient disturbance	suppression
Smart digital filter	
Status threshold	
User configurable th	resholds
Main	Closed < 10 Ω < Open (Factory default)
Main and resistor	Main < 10 Ω < PIR < 10 k Ω < Open (Factorial Content of the factorial Content of the factori
PIR resistance measur	tory default)
rin resistance measur	ement
Supported PIR types	Linear PIR
Supported PIR types	
Measurement range	10 Ω – 10 kΩ
Measurement range Inaccuracy	$10 \ \Omega - 10 \ k\Omega$ ±10 % of reading ±0.1 % of range
Measurement range Inaccuracy	10 Ω – 10 kΩ
Measurement range Inaccuracy Voltage measurement	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs)
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution	10 Ω – 10 kΩ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits
Measurement range Inaccuracy Voltage measurement Measurement ranges	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution	10 Ω – 10 kΩ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy	10 Ω – 10 kΩ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section	10 Ω – 10 kΩ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range t (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz 36 s at 10 kHz sample rate
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output	10 Ω – 10 k Ω ±10 % of reading ±0.1 % of range c (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 Ω – 5 k Ω
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz 36 s at 10 kHz sample rate $500 \Omega - 5 \text{ k}\Omega$ $10 \text{ V DC } \pm 5 \%$
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz 36 s at 10 kHz sample rate $500 \Omega - 5 k\Omega$ $10 V DC \pm 5 \%$ 30 mA
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz 36 s at 10 kHz sample rate $500 \Omega - 5 \text{ k}\Omega$ $10 \text{ V DC } \pm 5 \%$ 30 mA
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range c(Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 Ω - 5 k Ω 10 V DC ±5 % 30 mA t ±10 V _{peak}
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage Measurement	$10 \Omega - 10 k\Omega$ $\pm 10 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ (Only TIMING M/R, DRM/VDS inputs) $\pm 50 V \text{ and } \pm 2.5 V$ 16 bits $\pm 1 \% \text{ of reading } \pm 0.1 \% \text{ of range}$ 1 or 3 isolated channels $\pm 0.01 \% \text{ of reading } \pm 1 \text{ sample interval}$ 40 kHz 36 s at 10 kHz sample rate $500 \Omega - 5 \text{ k}\Omega$ $10 \text{ V DC } \pm 5 \%$ 30 mA
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage Measurement ranges	10 Ω - 10 k Ω ±10 % of reading ±0.1 % of range (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 Ω - 5 k Ω 10 V DC ±5 % 30 mA ± ±10 V _{peak} ±1 V and ±10 V
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage Measurement ranges Resolution	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range c(Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 Ω - 5 k Ω 10 V DC ±5 % 30 mA t ±10 V _{peak}
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage Measurement ranges Resolution Inaccuracy	$10 \Omega - 10 k\Omega$ ±10 % of reading ±0.1 % of range (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 $\Omega - 5 k\Omega$ 10 V DC ±5 % 30 mA ± ±10 V _{peak} ±1 V and ±10 V 16 bits
Measurement range Inaccuracy Voltage measurement Measurement ranges Resolution Inaccuracy Analogue section General No. of channels Time base inaccuracy Max. sample rate Measurement time Transducer resistance Output Voltage Max. output current Voltage measurement Max. voltage Measurement ranges Resolution	10 Ω - 10 k Ω ±10 % of reading ±0.1 % of range (Only TIMING M/R, DRM/VDS inputs) ±50 V and ±2.5 V 16 bits ±1 % of reading ±0.1 % of range 1 or 3 isolated channels ±0.01 % of reading ±1 sample interval 40 kHz 36 s at 10 kHz sample rate 500 Ω - 5 k Ω 10 V DC ±5 % 30 mA ± ±10 V _{peak} ±1 V and ±10 V



External current measurement					
Max. input	$\pm 1 V_{peak}$				
Scaling	Selectable in software				
Digital section					
General					
No. of channels	3				
Supported types	Incremental transducers, RS422				
Time base	±0.01 % of reading ±1 sample interval				
inaccuracy					
Max. sample rate	40 kHz				
Measurement time	36 s at 10 kHz sample rate				
Output					
Voltage	12 V DC ±5 %				
Max. output current	300 mA				
Digital input					
Range	±32000 pulses				

±32000 pulses Resolution 1 pulse ±1 pulse Inaccuracy

Timing Aux section

General

No. of channels	3 isolated channels
Time base	± 0.01 % of reading ± 1 sample interval
inaccuracy	
Max. sample rate	40 kHz
Measurement time	36 s at 10 kHz sample rate
Max. voltage	250 V AC, ±300 V DC
Contact mode	
Open circuit voltage	24 V DC ± 5 %
Short circuit current	10 mA DC ±5%
User configurable	Open < -10 V < Closed < 10 V< Open
status threshold	(Factory default)
Printer (optional)	
Туре	Thermal printer
Paper width	112 mm, 114 mm (4.41", 4.48")
Operating	0 °C to +60 °C (32 °F to +140 °F)
temperature	
Storage & transport	-20 °C to +70 °C (-4 °F to +158 °F)



Included cables

	d with the necessary number of timing cables ning channels available	2 and 4 breaks per phase	1 break per phase	
		High voltage lead kit	Medium voltage lead kit	High voltage lead kit
GA-00850	 Timing M/R cable For 2 breaks/phase XLR3 male to banana connector, 5 m (16.4 ft) 	\checkmark		
	 Length of the split portion (retractable sock), 2.4 m (8 ft) to 3.8 m (12 ft) 			
GA-00851	Timing M/R extension cable			
	 XLR3 male to XLR3 female, 10 m (32.8 ft) 	\checkmark		\checkmark
GA-00853	 Timing M/R medium voltage cable 3 x XLR3 male to banana, 3 m (9.8 ft), Length of the split portion 5 m (1.6 ft) 		\checkmark	
GA-00854	 Timing M/R high voltage cable For 1 breaks/phase XLR3 male to banana, 5 m (16.4 ft), Length of the split portion (retractable sock), 2.4 m (8 ft) to 3.8 m (12.5 ft) 			\checkmark
GA-00871	 Timing AUX cable 6 banana test leads in a common sleeve, 5 m (16.4 ft), Length of the split portion, 0.5 m (1.6 ft). Includes connection adapters 	\checkmark	\checkmark	\checkmark
GA-90002	 Control cable kit 5 banana test leads in a common sleeve, 5 m (16.4 ft) Length of the split portion (retractable sock), 0.5 m (1.6 ft) to 1.5 m (4.9 ft). Includes connection adapters 	\checkmark	\checkmark	\checkmark



Included accessories

		2 and 4 breaks per phase	1 break per phase	
		High voltage lead kit	Medium voltage lead kit	High voltage lead kit
KD-03040	Timing M/R clampBanana connector and strain relief	\checkmark	\checkmark	\checkmark
GA-01005	 Analog cable Screened cable XLR3 female to XLR3 male, 10 m (32,8 ft) 	\checkmark	\checkmark	\checkmark
GD-30225	 Lead and accecory bag Lead and accessory bag with backpack straps and hand straps. Variable height through zipper solution. Dimensions 580 x 355 x 165/228 mm (23" x 14" x 6.5"/9") Thermal printing paper 	<i>√</i>	\checkmark	\checkmark
0	 Only for models with printer 			
Other material included in	n delivering			
Ground lead 2.5/5 m	Lead ties			
Ethernet cable 5 m	 Power cable 			
USB cable 3 mUSB memory stick	 User's manual 	\checkmark	\checkmark	\checkmark



Optional accessories

XB-51020	Universal transducer mounting kit
	 For linear and rotary travel transducers
XB-39131	Rotary digital transducer kit
	 With 10 m (33 ft) cable and flexible coupling
	 Fits with transducer mounting kit XB-51020
GA-00891	Digital extension cable
	 neutriCON female to neutriCON male, 10 m (33 ft)
XB-30017	Linear analogue transducer TLH-225
	225 mm (8.8") travel
	 Fits with transducer mounting kit XB-51020.
BL-90700/BL-90710	First trip kits
	 For analysis of first trip behaviour
	 For single operating mechanism, 1 + 3 clamps
	 For three operating mechanisms, 3 + 3 clamp (BL-90710)
XA-11620	Current clamp
	 With BNC connector.
	 Ranges: 30/300 A DC/AC, 10/1 mV / A
	Cable length 2 m (6.6 ft)

GD-31070Soft carrying and transport caseFits EGIL200 and one lead bag
Dimensions: 66 x 46 x 46 cm
(26 " x 18 " x 18 ")GD-31055Soft cable caseWith 11 compartments,
shoulder strap and two
handles.Made from sturdy nylon fabric.Dimensions: 74 x 27 x 42 cm
(29 " x 11 " x 17 ")Note: No cables included

Megger carries an uniquely complete assortment of various accessories, leads, transducers and mounting kits.

 For a complete list of accessories, see the circuit breaker accessory catalog. Use QR code or download it from www.megger.com







RECOMMENDED CONFIGURATIONS								
Circuit breaker type	Medium voltage	High voltage, 1 break/phase	High voltage, 2 break/phase	High voltage, 4 break/phase	High voltage, 4 break/phase			
Product name	EGIL211	EGIL213	EGIL223	EGIL241	EGIL243			
Application	Configured for basic tests of medium voltage circuit breakers. Compatible with the option VDS timing.	Tests gang and independent pole operated medium and high voltage circuit breakers of live and dead tank type. Compatible with the options VDS timing and three-phase DRM.	Base model which per- forms all standard tests of modern high voltage circuit breakers	Standard tests for circuit breakers with more than two breaks per phase, including integrated thermal printer.	Max configuration for circuit breakers with more than two breaks per phase, including integrated thermal printer.			
Break per phase	1	1	2	4	4			
Analog input	1	3	3	1	3			
Printer option	\checkmark			✓	✓			
Part number	CM-21191	CM-21380	CM-22390	CM-24191	CM-24391			

Note! Only Circuit breaker standard software package is included in these configurations. Additional software packages or features need to be ordered separately, see section "Software" below.

CUSTOM CONFIGURATIONS

EGIL 200 can be ordered either in preconfigured, standard configurations including main unit and accessories or in fully customizable configurations.

EGIL 200 naming and part number structure

	EGIL	2		
	Part number: CM	2		
1 = 1 break per phase 2 = 2 breaks per phase				0 = No printer 1 = Printer
4 = 4 breaks per phase				0 = No accessories 8 = Alternate lead kit,
Number of analog channels 1or 3				see ordering information 9 = Standard lead kit, see ordering information



EGIL200 SOFTWARE PACKAGES AND FEATURES								
Select your own EGIL Soft- ware. Software packages Single feature add-ons								
Standard software package (CM-8000X) included in all EGIL200 versions.								
					Under-voltage release coil			
Types								
Timing	Conven- tional	\checkmark	\checkmark					
	Dual- Ground™		\checkmark		\checkmark			
	VDS		\checkmark	<i></i>				
Contact resist-	Manual	\checkmark	\checkmark					
ance	SDRM		\checkmark			\checkmark		
Motor current and voltage		√	\checkmark					
Minimum pick- up voltage		\checkmark	\checkmark					
Dynamic resist- ance			\checkmark			\checkmark		
First trip			\checkmark				\checkmark	
Undervoltage release coil			\checkmark					√
Measurements								
Motion	Analogue	\checkmark	\checkmark					
	Digital	\checkmark	\checkmark					
	Absolute	\checkmark	\checkmark					
	Relative	\checkmark	<i></i>					
Auxiliary con-	Timing	\checkmark	<i></i>					
tacts	External trig	\checkmark	\checkmark					
Coil currents		\checkmark						
Other function	S							
Files and re-	PDF export	\checkmark	\checkmark					
porting	XML export		<i></i>					
	Backup/ restore breaker file		<i>√</i>					
	CABA Win compatible ¹		\checkmark					
	Templates							
Printing				A	ctivated if printer	option availa	able	1
Part number		CM-8000X	*	*	*	*	*	*
		*To be launchec manual.	l at a later sta	ge. Update of	software and licen	ce can be mad	e using a USB drive a	as described in the user
		1. See the user manual for details.						

ORDERING INFORMATION Item Part number **EGIL 211** CM-21100 1 brk/ph, 1 analog ch, no accessories 1 brk/ph, 1 analog ch, printer, no accessories CM-21101 1 brk/ph, 1 analog ch, high voltage lead kit CM-21180 1 brk/ph, 1 analog ch, printer, high voltage lead kit CM-21181 CM-21190 1 brk/ph, 1 analog ch, medium voltage lead kit 1 brk/ph, 1 analog ch, printer, medium voltage CM-21191 lead kit **EGIL 213** CM-21300 1 brk/ph, 3 analog ch, no accessories 1 brk/ph, 3 analog ch, printer, no accessories CM-21301 1 brk/ph, 3 analog ch, high voltage lead kit CM-21380 1 brk/ph, 3 analog ch, printer, high voltage lead kit CM-21381 1 brk/ph, 3 analog ch, medium voltage lead kit CM-21390 1 brk/ph, 3 analog ch, printer, medium voltage lead kit CM-21391 **EGIL 221** 2 brk/ph, 1 analog ch, no accessories CM-22100 CM-22101 2 brk/ph, 1 analog ch, printer, no accessories 2 brk/ph, 1 analog ch, high voltage lead kit CM-22190 2 brk/ph, 1 analog ch, printer, high voltage lead kit CM-22191 EGIL 223 2 brk/ph, 3 analog ch, no accessories CM-22300 CM-22301 2 brk/ph, 3 analog ch, printer, no accessories 2 brk/ph, 3 analog ch, high voltage lead kit CM-22390 2 brk/ph, 3 analog ch, printer, high voltage lead kit CM-22391 **EGIL 241** CM-24100 4 brk/ph, 1 analog ch, no accessories 4 brk/ph, 1 analog ch, printer, no accessories CM-24101 CM-24190 4 brk/ph, 1 analog ch, high voltage lead kit 4 brk/ph, 1 analog ch, printer, high voltage lead kit CM-24191 **EGIL 243** CM-24300 4 brk/ph, 3 analog ch, no accessories 4 brk/ph, 3 analog ch, printer, no accessories CM-24301 CM-24390 4 brk/ph, 3 analog ch, high voltage lead kit 4 brk/ph, 3 analog ch, printer, high voltage lead kit CM-24391

Postal address

Megger Sweden AB Box 724 SE-182 17 Danderyd SWEDEN

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EGIL200_DS_en_V02b

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www.megger.com

We are supporting you to deliver a world class service, every day, in every sector...

LOCATIONS

LONDON, HEATHROW

Sunbelt Rentals UK Test & Monitoring 242-252 London Road, Staines, London TW18 4JQ 0333 122 3126 www.sunbeltrentals.co.uk/find-a-depot/london-heathrow

REDCAR

Sunbelt Rentals UK Test & Monitoring Unit 5 Kirkleatham Business Park, Redcar TS10 5SQ 0370 330 6021 www.sunbeltrentals.co.uk/find-a-depot/teesside

STOKESLEY

Sunbelt Rentals UK Test & Monitoring 2 Ellerbeck Way, Stokesley Business Park, Stokesley, North Yorkshire TS9 5JZ 01642 718 900 www.sunbeltrentals.co.uk/find-a-depot/stokesley



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