

AQ 200 series - Protection, control, measuring and monitoring IEDs

The AQ 200 series IEDs provide optimal performance for medium and high voltage protection, control, measurement and monitoring applications. Fully modular hardware construction gives a high level of flexibility; functionality can

be added or changed at any point. The AQ 200 is developed on the latest technology, the power of multi-processor architecture takes the accuracy of protection and measurement to a new level.

FULL PRODUCT RANGE, ULTIMATE USABILITY AND HIGH PERFORMANCE

- Comprehensive protection for lines, feeders, transformers, generators and motors
- Bay control, alarm, measurement and monitoring IEDs
- Large customizable HMI with configurable Mimic diagram
- Freely configurable alarm leds and function buttons
- Large flash memory for events, logs, recordings and documentation. 15 000 events and 100 disturbance recordings
- Easy to use and powerful AQtivate 200 for setting, configuration and analyzing
- Unique wizards for setting calculations
- Comprehensive set of communication protocols, including IEC 61850



Exclusive features

- 3.2kHz sampling rate
- More accurate and faster protection with integrated 0.2S measuring class
- Patented frequency tracking algorithm guarantees operation accuracy at 6–75Hz



	Feeder					Transformer					Machine						Monitoring & Control						Line	Busbar	
	F201	F205	F210	F215	F255	T215	T216	T256	T257	T259	M210	M215	M255	M257	G215	G257	S214	S254	S215	S255	P215	E215	L255	V211	
Protection																									
Basic function	✓																								
Medium function		✓	✓			✓	✓	✓			✓														✓
Multi function				✓	✓				✓	✓		✓	✓	✓	✓	✓								✓	
Differential (87)						✓	✓	✓	✓					✓		✓									
Distance (21)																								✓	
Control																									
Objects	1	1	5	5	10	5	5	10	10	10	5	5	10	10	5	10	10	10	5	10		5	10	5	
Synchro-check (25)				✓	✓							✓	✓	✓	✓	✓			✓	✓			✓	✓	
Auto-reclose (79)		✓	✓	✓	✓														✓	✓			✓		
Voltage regulator (90)						✓			✓	✓															
I/O																									
Basic	✓																								
Medium		✓	✓	✓		✓	✓				✓	✓			✓				✓		✓	✓		✓	✓
High					✓			✓	✓	✓			✓	✓		✓	✓			✓			✓		
Ultra high																		✓							
Measurement																									
Current	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓
Voltage		✓		✓	✓	✓			✓	✓		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓
Power & Energy		✓		✓	✓	✓			✓	✓		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓
Communication																									
IEC 61850			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IEC 101/103/104, Modbus, DNP 3, SPA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TRULY MODULAR DESIGN

- Easy hardware or software option upgrades even on site
- Less parts to stock
- Reduced life cycle cost



Arcteq products are developed and supported by the team with more than 250 years of accumulated protection relay experience