DUCATI INSTRUMENT COMPARISON TABLE

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
6 module DIN rail mounting instrument	●				
4 module DIN rail mounting instrument					●
72x72 panel mounting instrument			●		
96x96 panel mounting instrument		●		●	
Low internal depth				●	
High-contrast backlit LCD display				●	●
User-selectable backlight intensity level				●	●
7 segment LED display	●	●	●		
Frontal red led for the reporting of energy pulses or alarms					●
"Single-mode" visualisation for a better reading					●
Simultaneous available readings	4	4	4	4	4
Total displayable measurements	68	68	68	146	218
Total measurements available through serial protocol (RS485)			74 **(only SP model)**	98 **(all models except DUCA-LCD96 BASE and DUCA-LCD96)**	170 **(all models except DUCA-LCD)**

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
User –selectable language				●	●
Configuration (in alternative):					
Single Phase	●	●	●	●	●
Three-phase	●	●	●	●	●
Balanced Three-phase				●	●
Outputs used in alternative:					
Alarm outputs with single threshold			**2** (only SP model)	**2** (4 for DUCA-LCD96 485-RELE model)	**2**
Booster-relay (250V-16A) for 2 additional alarm outputs				(only DUCA-LCD96 485-RELE model)	
2 insulated analog-outputs (0-20/4-20mA)				(only DUCA-LCD96 485-IO model)	
Insulated pulse-inputs for energy reading from GME counters				**3** (only DUCA-LCD96 485-IO model)	**2**
Electrical parameters selectable for alarms			**28** (only SP model)	**29**	**35**
Delay for alarm's activation and deactivation			**1÷900 seconds** (only SP model)	**1÷900 seconds**	**1÷900 seconds**
Outputs controlled by RS485 protocol			**2** (only SP model)	**2** (4 for the DUCA-LCD96 485-RELE model)	**2**
Pulsed output: OUT1			**Active Energy** (only SP model)	**Active Energy**	**Active Energy**
Pulsed output: OUT2			**Reactive Energy** (only SP model)	**Reactive Energy**	**Reactive Energy**

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
Especially suitable for an remote reading of external counters				**(only DUCA-LCD96 485-IO model)**	**●**
RS485 serial interface with galvanic insulation for remote data transmission			**(only SP model)**	**(all models except DUCA-LCD96 BASE and DUCA-LCD96)**	**(only DUCA-LCD 485 model)**
Baud rate for RS485 serial interface			**2400, 4800, 9600, 19200bps** **(only SP model)**	**4800, 9600, 19200bps**	**4800, 9600, 19200bps**
Parity for RS485 serial interface			**"none", "odd", "even"** **(only SP model)**	**"none", "odd", "even"**	**"none", "odd", "even"**
Stop bits for RS485 serial interface			**1, 2 (Par.=n)** **1 (Par.=O,E,n)** **(only SP model)**	**1, 2 (Par.=n)** **1 (Par.=O,E,n)**	**1, 2 (Par.=n)** **1 (Par.=O,E,n)**
Available protocols:					
ASCII Ducati			**(only SP model)**	**●**	**(only DUCA-LCD 485 model)**
MODBUS-RTU			**(only SP model)**	**●**	**(only DUCA-LCD 485 model)**
MODBUS-TCP				**(only DUCA-LCD96 ETH model)**	**(only DUCA-LCD ETH model)**
Profibus interface with DP-slave option				**(only DUCA-LCD96 PROFI model)**	
Ethernet interface RJ45 with MDI/MDIX auto-crossover functionality				**(only DUCA-LCD96 ETH model)**	**(only DUCA-LCD ETH model)**
Web Server functionality				**(only DUCA-LCD96 ETH model)**	**(only DUCA-LCD ETH model)**
VT: transformation ratio configurability	**1÷500**	**1÷500**	**1÷500**	**Primary: 1÷60000V** **Secundary: 60÷190V**	**Primary: 1÷60000V** **Secundary: 60÷190V**

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
CT "../5A": transformation ratio configurability	1÷1250	1÷1250	1÷1250	Primary: 1÷10000A Secundary: 5A o 1A	Primary: 1÷10000A Secundary: 5A o 1A
Current inputs with internal CTs				(all models except DUCA-LCD96 BASE)	
Current inputs through internal shunts and use of external CTs	●	●	●	(only DUCA-LCD96 BASE model)	●
Connections using extractable terminal blocks		●	●	●	
TRUE RMS measurements	●	●	●	●	●
Calculation period for mean values	Fixed at 15 minutes	Fixed at 15 minutes	Fixed at 15 minutes	1÷60 minutes	1÷60 minutes
Max and min values of the main electrical parameters	●	●	●	●	●
Power's average values	●	●	●	●	●
Single-phase Power Factor	●	●	●	●	●
Three-phase Power Factor	●	●	●	●	●
Single-phase Active, Reactive and Apparent Power	●	●	●	●	●
Three-phase Active, Reactive and Apparent Power	●	●	●	●	●

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
Single-phase Active, Reactive and Apparent Power	●	●	●	●	●
Three-phase Active, Reactive and Apparent Power	●	●	●	●	●
ThdF or Crest Factor for voltage and current				●	●
Thd for voltage and current					●
Voltage and current harmonic up to 31-th					●
Single-phase Active and Reactive Energy counters	●	●	●	●	●
Three-phase Active and Reactive Energy counters	●	●	●	●	●
Single and Three-phase Apparent Energy counters				●	●
Three-phase Active and Reactive Cogenerated Energy counters				●	●
User selectable partial energy counter				●	●
Energy conversion to money (€) and CO2 production				●	●

	DUCA47	DUCA47-96	DUCA47-72 DUCA47-72-SP	DUCA-LCD96 (7 models)	DUCA-LCD (3 models)
Automatic detection of CTs current direction	●	●	●	●	●
User protection password				●	●
User selectable default displayed page	●	●	●	●	●
Life counter (hours and minutes)	●	●	●	●	●
"Count – down" counter (hours and minutes)	●	●	●	●	●
Free software for measurements visualisation included			●	●	●
Power-supply 115Vac	●	●			
Power-supply 230Vac	●	●	●		
Power-supply 400Vac			●		
Power Supply Wide Range 24÷240Vac/dc				**(all models except DUCA-LCD96 485-IO, DUCA-LCD96 PROFI and DUCA-LCD96 ETH)**	**(all models except DUCA-LCD ETH)**
Power Supply Wide Range 48÷240Vac/dc				**(only DUCA-LCD96 485-IO, DUCA-LCD96 PROFI and DUCA-LCD96 ETH models)**	**(only DUCA-LCD ETH model)**
Accuracy of the measurements	**0,5%**	**0,5%**	**0,5%**	**0,5%**	**0,5%**
Class of accuracy	**1**	**1**	**1**	**1**	**1**