

RECORDERS

			
RP7	RP1	RPL1	RP3
1-phase		3-phase	

								
HT20	HT20IoT	HT22IoT	SM61IoT	KD6	KD7	KD8	KD10	
up to 4 channels		up to 12 channels		up to 2500 registers	up to 60 channels (96x96x77 mm)	24-channel	6-channel	18-channel
Ethernet	MQTT		RS-485 Modbus Master or Slave, Ethernet, MQTT	RS-485 Modbus Master & Slave, Ethernet	RS-485 Modbus Slave		RS-485 Modbus Master or Slave, Ethernet	

TIME & PROTECTION RELAYS

		      							   				 	
SM61IoT		SM1	SM2	SM3	SM5	SM4	S4AI	S4AO	PD51	PD9	PD9W	PD20	LTR10	LP10-V
up to 2500 registers		2-channel fixed	4-channel fixed	2-channel programmable in.	8-channel fixed input	4/8-channel fixed output	4 programmable in./2x Modbus		RS-485		RS-485		multifunctional time relay	
RS-485 Modbus Master or Slave, Ethernet, MQTT							4 fixed out/2x Modbus		RS-232	Ethernet	Wi-Fi, Ethernet	USB	10 functions	voltage protection relay

PORTABLE MULTIMETERS & CLAMP METERS

PORTABLE MULTIMETERS & CLAMP METERS												
												
NP45	NP15	NP15B	NP10	NP06	NP08	NC14	NC12	NC11	VA19	MS8221A	M266C	VA28B
power quality analyzer			digital multimeters				clamp meters		5 in 1 digital multimeter	pocket size digital multimeter	clamp meter	Auto Scan range digital multimeter

PORTABLE MULTIMETERS & CLAMP METERS

PORTABLE MULTIMETERS & CLAMP METERS												
												
VA310	VA312	VA333	VA503	VA700	VA701	VA702	VA710	VA8010	VA8051	VA8090	VA8060	VA90B
digital clamp meters			pen R/C meter for SMD	Volt/ mA carlbor	voltage/current/ thermocouple calibrator		thermocouple calibrator	temperature/ humidity & dew point meter	luxmeter with sensor rotation	pyrometer	dual ways thermocouple meter	multimeter with touch-Pa

MONITORS & DATA LOGGERS FOR MEASUREMENTS OF ENVIRONMENTAL PARAMETERS

ANALOG METERS



- AC
- DC
- POWER METERS
- BIMETALLIC METERS
- FREQUENCY METERS
- POWER FACTOR METERS

- dimensions: 48 / 72 / 96 / 144 mm
- scale: 90° and 240°
- DUAL MOVING-IRON
- CUSTOMER LOGO

SHUNTS

20 mV / 30 mV / 50 mV / 60 mV / 75 mV / 150 mV / 300 mV

Measuring ranges 1A - 15kA

class 0.2	1A-2.5 kA	DIN 43703 / EN60051
class 0.5	1A-25 kA	

- insulating base as an option (up to 150A)
- varnishing or silvering on request
- Tailored solutions available on demand

(Customer-specific modifications / class 0.2 up to 8kA)a



PF CONTROLLER

LOW-VOLTAGE CURRENT TRANSFORMERS

class **0.2s / 0.2 / 0.5s / 0.5 / 1 / 3**
1A up to 7500A

- FOR BUSBAR OR ROUND CONDUCTOR
- SPLIT CORE
- SUMMATION
- RESIN CAST
- ROUND

Current transformer dedicated to the **ND20CT**

LJ12
1-phase
50-250 A

LI25, LI35, LI45
1-phase
60-600 A

L306, L307, L308
3-phase
63-250 A

CAM SWITCHES

PKT/ PKS/ PKH

PKR

TKR

changeover/
multi-step/ isolator/
selector switch

ON-OFF

spring return cam
switches 1xNO 1xNC /
spring return cam
switches 2xNO 2xNC

POWER SUPPLIES

ZS20-1P

24V/0.63 A

15 W

ZS20-1K

24V/1.5 A

36W

ZS20-1L

24V/1.75 A

45W

ZS20-1A

24V/2.5 A

60W

ZS20-1B

24V/5 A

95...120 W

ZS20-1C

24V/7.5 A

120...180 W

ADAPTERS

ATS

Designed for mounting of panel
instruments on the DIN rail TS35.

96 x 96/ 96 x 48/ 72 x 72/
48 x 96/ 48 x 48 mm

Front-Adapter

Designed to reduce
the mounting hole from
96 x 96 mm to 48 x 96 mm or
96 x 48 mm.