



features



- Field Settable Full Scale including Decimal Point placement
- Built-in Auto Scroll / Hold facility in 3 phase models
- Wide Auxiliary Supply Range : 85 - 270 V AC or DC
- Crisp, bright, 12.5 mm LED display
- Slide and Lock mounting clamp makes panel mounting simple and quick
- Unique service support
 - Over-the-counter free replacement within warranty
 - Reduced rate replacement outside warranty (Optional)

PRODUCT SELECTION CHART

Sl. No.	Description	Model	Parameters	Input		Typical application
				Nominal	Range	
AC 3-phase Meters						
1.	Voltmeters	CD 207	V	415 V	50 - 500 V	3 Phase Voltage measurement with Auto Scroll / Hold facility. Eliminate external selector switch.
2.		CD 208	kV	110 V	85 - 135 V	
3.	Ammeters	CD 209	I	5 A	0.25 - 6.0 A	3 Phase Current measurement with Auto Scroll / Hold facility. Eliminate external selector switch.
4.		CD 210	I	1 A	0.05 - 1.2 A	
5.	V, I, Hz (VAF) Meter	CD 221	V, I, Hz	5 A	*1	Simultaneous display of 3 phase V, I & Hz
AC 1-phase Meters						
1.	Voltmeters	CD 201	V	240 V	50 - 500 V	1 phase LT Voltage measurement
2.		CD 202	kV	110 V	85 - 135 V	HT Voltage measurement
3.	Ammeters	CD 203	I	5 A	0.25 - 6.0 A	1 phase Current measurement
4.		CD 204	I	1 A	0.05 - 1.2 A	1 phase Current measurement
5.	Frequency Meter	CD 214	Hz	50 - 500 V	10.0 - 999 Hz	Frequency measurement
6.	V, I, Hz (VAF) Meters	CD 223	V, I, Hz	5 A	*2	Simultaneous display of V, I & Hz

*1 As for Models CD 207, CD 209 and CD 214

*2 As for Models CD 201, CD 203 and CD 214

PRODUCT SELECTION CHART

Sl. No.	Description	Model	Parameters	Input		Typical application
				Nominal	Range	

DC Meters						
1.	Voltmeters	CD 301	V	110/240/415	50 - 500 V	DC Voltage measurement
2.		CD 302	V	12 / 24 / 48	10 - 80 V	DC Voltage measurement
3.	Ammeters	CD 303	I	75 mV	5 - 90 mV	DC Current measurement
4.	Special	CD 306	Special	Special	Special	Customised measurement (see below)

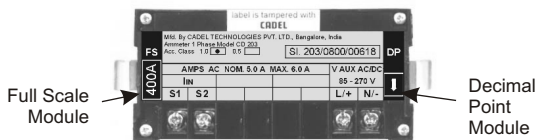


ORDERING INFORMATION

- Model Number (eg. CD 201)
- Accuracy Class (eg. Class 1.0)

For Model CD 306, please specify the following, in addition to the ordering information

- Parameter (eg. RPM)
- Input Range (eg. 0 - 10 V DC)
- Display Range (eg. 0 - 500 RPM)



DECIMAL POINT PLACEMENT

The decimal point can be set in the field by placing the Decimal Point Module on the Rear Panel of the Meter with the arrow pointing as shown below:

- ⇐ No Decimal Point
- ↑ Decimal after first digit from left
- ↓ Decimal after second digit from left

FULL SCALE MODULE SELECTION							
Model	Full Scale Values			Model	Full Scale Values		
CD 901	1.1 kV	11 kV	110 kV	CD 917	30 A	300 A	3.0 kA
CD 902	2.2 kV	22 kV	220 kV	CD 918	40 A	400 A	4.0 kA
CD 903	3.3 kV	33 kV	330 kV	CD 919	50 A	500 A	5.0 kA
CD 904	6.6 kV	66 kV	660 kV	CD 920	60 A	600 A	6.0 kA
CD 911	10 A	100 A	1.0 kA	CD 921	70 A	700 A	7.0 kA
CD 912	12 A	120 A	1.2 kA	CD 922	75 A	750 A	7.5 kA
CD 913	15 A	150 A	1.5 kA	CD 923	80 A	800 A	8.0 kA
CD 914	16 A	160 A	1.6 kA	CD 924	90 A	900 A	9.0 kA
CD 915	20 A	200 A	2.0 kA	CD 925	12.5 A	125 A	1.25 kA
CD 916	25 A	250 A	2.5 kA	CD 926	63 A	630 A	6.3 kA

TECHNICAL SPECIFICATIONS

Input	: As per Product Selection Chart overleaf	Safety	: Measurement Category III, Pollution Degree 2 as per EN61010-1 First Edition
Computation	: Average Sensing	Burden	: 0.1 VA typical per Voltage / Current input, CD 221 / CD 223 : 2 VA typical on Aux. Supply Other models : 1 VA typical on Aux. Supply
Accuracy	: ± [(0.5% of FS+ 0.5% of Reading) + 1 digit] ± 0.2% for Frequency ± 1% of FS for Current	Ambient	: Temp. 0-50 °C, Humidity < 95% non-condensing
Resolution	:	Weight	: CD 221 / CD 223 : 400 - 450 gms, model dependent Other models : 170 - 210 gms, model dependent
Volts	: 1 Volt	Dimensions	: CD 221 / CD 223 : 96 x 96 mm (Bezel) x 91 mm Other models : 96 x 48 mm (Bezel) x 76 mm
Kvolts / Amps	: Field settable through Full Scale and Decimal Point Modules	Panel Cutout	: CD 221 / CD 223: (90 ⁺¹ ₋₀) mm x (90 ⁺¹ ₋₀) mm Other models : (90 ⁺¹ ₋₀) mm x (44 ⁺¹ ₋₀) mm
Frequency	: 0.1 Hz	Mounting	: Slide and Lock clamp
Display	: 12.5 mm, 7 segment, super-bright LEDs	Warranty	: 15 months from date of manufacture OR 12 months from date of sale, whichever is earlier
Aux Supply	: 85 - 150 V AC or DC / 150 - 270 V AC or DC for CD 221 and CD 223 85 - 270 V AC or DC for all other models		
Isolation	: 2000 V AC for one minute		

Product improvements may result in changes in the product specifications without notice.

Accuracy Class 0.5 also available

Authorised Dealer

2xx/3xx Issue 0408

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