

Manufacturer & Exporter

MV Current & Potential Transformers



15+

Years of experience

5000+

Successful projects

15,000+

Sq.ft manufacturing facility

500+

Domestic customers





World-class manufacturing, quality and supply systems

Newtek Electricals is the first company to introduce nylon flame retardant casing current transformers in India, and the product is now exported to other countries as well. While meeting high demand for quality, the company has developed a reputation for continuously upgrading its technology, and delivering world-class products.

Today, Newtek Electricals has emerged as one of India's leading manufacturers and exporters of CT/PTs in resin cast and nylon casing.

Our Story...

2005	Indo-German joint venture Wintek Electricals founded.
2007	Newtek Electricals is formed as an independent entity.
2008	Introduced Nylon casing CTs for the first time in India; fulfills order for 70,000 CTs.
2009	New! 10,000 sq ft manufacturing facility, resin cast CTs introduced. Supplied Customized products.
2014	Supply of 1,15,000 CTs for 4G towers, R&D facility established, MF meters launched.
2020	Begins in-house manufacturing of CT core. New split core CTs introduced.





End-to-end Capabilities for global supply chains

R&D Capabilities

- > First company in India to introduce Nylon flame retardant casing current transformers
- > Dedicated R&D center and team to develop new products
- > Recently introduced new nylon casing split core CTs
- > Webinars are organized regularly to update customers of trends in electrical technology and resolve their issues.

Sales and Service

- > Products exported to Middle East, South Africa and Europe
- > Approvals from leading Consultants, MNCs, Govt. Agencies in India & overseas markets

Manufacturing

- > State-of-the-art manufacturing facility of 10,000 sqft. in Aurangabad
- > Monthly output capacity of 60,000 CT units.
- > ISO 9001:2008 certified company





Product approvals by leading Consultants

- > MECON Limited
- > AECOM (previously Spectral Services Consultants Pvt. Ltd.)
- > Entask Consultancy Services
- > Tata Consulting Engineers
- > C.R. Narayan Rao Consultants
- > Powertec Engineering
- > Avant-Garde Engineers & Consultants
- > Satyavani Consultants
- > Karmaa SR Consultants Pvt. Ltd.
- > Design Bureau
- > IRI
- > Arup Consultant
- > Lead Consultants
- > Fichtner India
- > Power Drive Engineers
- Archivista Engineering Projects Pvt. Ltd. (AEPPL)
- > Aami Associate Consulting Engineers
- > RSP Design Consultants India
- Synergy Infra Consultants Pvt. Ltd.
- > J. P. Mukherji & Associates
- > Excel Design Engineers
- > Unique Consultant Services
- > Kausi Consultancy Services
- > Spectrum Pharmatech
- > Currie Brown

- > Unik Engineering Services
- > Arnita Consultants Pvt. Ltd.
- > Aevitas Pharmagro
- > Ralys Consulting Engineers
- > SYSN Consultants
- > Adarsha Developers
- > Raj Electrical Designs
- > S. M. Engineers & Consultants
- Convenient Construction & Consultancy Pvt. Ltd.
- > Semac Consulting Engineers
- Abhiyanta Electricals and Engineers Consultants
- > Mott MacDonald
- > S. N. Joshi Consultants
- > ESKAYEM Consultants
- > S. R. Associates
- > Knexir Consultants Pvt. Ltd.
- > Mott MacDonald
- > STUP Consultants Pvt. Ltd.
- > Chettiar Consulting Engineers
- > IPS Mehtalia
- > Vidyut Sallagar Pvt. Ltd.
- > CAMES
- > Ajit Kulkarni Consultant
- > SAN Consultants
- > Sripeksha Engineering Consultancy Services Pvt. Ltd.



Comprehensive Range of CT/PTs and Multi-Function Meters (MFMs)



Current Transformer Nylon Casing

Metering Type CT'S

- > Window Type CT'S (Bus Bar)
- > WPL Type
- > Round ID Type CT'S

Protection Type CT'S

> Nylon Casing-Protective Type Bus Bar



Resin Cast-Round ID

Metering Type CT'S

- > Resin Cast WPL
- > Resin Cast Bus Bar
- > Resin Cast Round ID



Control Transformer

- > Single-phase Resin Cast
- > Three-phase Resin Cast



Digital Meter

- > Energy Meter
- > MFM Meter
- > VAF Meter
- > DPM Meter



End Customers













































































































500+ Domestic Customers



































































100+ Overseas Customers

























Data Centre

Amazon Data Services India Pvt Ltd, All over India, Hydrabad Amazon Data Services India Pvt Ltd, Hyderabad Amazon Data Services India Pvt Ltd, Banglore, Chennai, Pune, Hyderabad, Kolkatta, Telangana, CTRLS Datacentre Ltd, Mumbai NXTRA, Hinjewadi, Pune STT Gobal Data Center, Dighi, Pune STT Gobal Data Center, KalliKuppam, Chennai Yotta Data Center, Panvel Wipro Data Center, Pune Barclays Bank Data Center, Pune Cadence Technology Centre NSEZ Noida, Noida Tele Performance Ind Vodafone Ambala, Amabala STT Gobal Data Center, Pune



Industrial

Metalman Auto, Aurangabad Parason Group, Aurangabad Endurance Technology, Aurangabad National Dairy Development Board, Bhilwara Indapur Dairy & Milks Product Ltd, Baramati Dhariwal Industries Pvt Ltd, Pune



Metro & Airport

DMRC - Dwarka & Dhansha UG Stn., Delhi Mumbai Metro, Mumbai Mauritius Metro, Mauritius Bangalore Metro, Bangalore Chennai Metro, Chennai Nagpur Metro, Nagpur Pune Metro, Pune Western Railway, Bandra Terminus Shirdi Airpot, Shirdi Air Port



Infrastructure

India Bulls, Parel, Mumbai Godrej Properties-Godrej Emerald, Mumbai Runwal Group-Runwal Forest, Mumbai Bhartiya Developers-Bhartiya City, Bengaluru Prestige Group-Prestige Gul Mohar, Bengaluru Mantri Developers-Mantri Arena Mall, Bengaluru Sobha Developers-Sobha Arena, Bengaluru August Ventures Pvt Ltd-August Grand, Bengaluru Godrei Properties-Godrei Eternity, Bengaluru Assetz Properties-Assetz 63° East, Bengaluru Nambiar Builders-Nambiar Ellegenza, Bengaluru Bhartiya Developers-SEZ-2 Block-2 Food Court, Bengaluru Bhartiya Developers-Hotel Leela, Bengaluru Bhartiya Developers-Bhartiya City Developers School, Bengaluru Central Mall at Bund Garden, Pune MAX TOWERS, Noida Jagatrguru Kripalu Mandir at Mangarh, Mangarh, UP REACH AIRIA Mall, Gurugram Samsung Noida, Noida Seaview Developers, Noida Shalimar Mall, Lucknow Trinity Touch Pvt. Ltd Prithla, Palwal IIT, Roorkee Skytech Leasing Solution, Mohali Taj Vivanta, Mumbai NSE School International School, Mumbai Kharadi Pentagone, Kharadi, Pune SHALIMAR, Nashik University of Mumbai, Mumbai





Healthcare Pharma





Cummins Generator Technologies, Kirloskar Gensets, All OEM in India Mahindra Gensets, All OEM in India



Patna Malls, Patna Footpark Mall, Indore Lotus Mall, Bangalore Magarpatta Mall, Pune Shoppers Stop, (Mumbai, Bhopal) Best Price, Aurangabad



Steel

JSW SMS2, Dolvi, Maharashtra JSW Sinter Project, Dolvi, Maharashtra JSW Bar Mill Project, Dolvi, Maharashtra JSW Caster, Dolvi, Maharashtra Super Smelter Ltd. Rungta Mines Ltd. Raic Integrated Sponge & Power Pvt Ltd Jai Balaji Industries Ltd. Electro Steel Casting Ltd. Electrosteel Steels Ltd, Bokaro Ambica steel, Sahidabad ALBA Outotec, Bahrain Electrosteel Steels Ltd, Bokaro ALBA Bectel M/S. Hindustan Copper Ltd, Khetrinagar, Rajasthan JSW Steel, Dolvi, Maharashtra MOIL Ltd, Nagpur Vendata Steel, Jharsuguda, Orissa Shera Energy Pvt Ltd, Jaipur Kalika Steel, Jalna



Automobile

ARAI, Pune ESSAR, Mumbai VHCL, Umbergaon Mahindra Vehicle, Chakan Woco Motherson, Gandhidham VE Commercial Vehicles, Pithampur Honda Motorcycle & Scooters India, Narsapura



Government

MTRDC, Bhopal PWD, Bhopal BHEL Site Office, Ranchi





🖔 Oil & Gas Chemical



PP & Utility

JBF Petrochemicals, Mangalore NUBERG - 9640 & NUBERG - 59640 Indian Oil Corporation Ltd, Panipat Haldia Petrochemicals, Haldia Coal India BRPL, Bongaigaon Dangote Refinery, Nigeria ISGEC, Turkey Kuwait Oil Corporation, Kuwait IOCL, Faridabad IOCL, Vishakhapatnam IOCL, Khachurao IOCL, Korba Laxmi Organics, Mahad, Raigad IG Petrochemicals Ltd Taloja, Raigad **BPCL** Mumbai Rashtriya Chemical Fertilizers Ltd (RCF) Chembur, Mumbai IOCL, Kochi IOCL, Faridabad Hemani Chemicals Pvt Ltd, Mumbai Rallis India Ltd, Dahej Rallis India Ltd, Dahej Hikal, Banglore IOCL, 6 Different Locations Unichem Laboratory, Alibaug



B Power Segment

Adani, Baroda JSPL, Tamnar BARC, Tarapur Banjrang Power, Raipur LVDC0 Micro Grid, Vadodara Adani Power, Andhra Pradesh TATA Power, Mumbari **Duragapur Steel Thermal** Power Station, Durgapur



Mahindra Satyam Cyber City, Hyderabad Cybermotion, Hyderabad TCS Yantra Park, Mumbai Wipro Data Center, Hyderabad HCL, Madurai Trinity Software Solution, Hyderabad Shell IT Centre, Bangalore Intel, Ho Chi Minh

Kaleshwaram Lift Irrigation, Telangana NTPC - Daripalli TPP (2X800MW), Daripalli BHEL, Ranipet/NTPC KahalgoanThermal Power Plant Project 4X210MW, Ranipet VA Tech Wabab Ltd./Delhi Jal Board, Delhi VA Tech Wabab Ltd./Delhi Jal Board, Tripura Bhutan Power Corporation, Dagapela & Samcholling S/S GE Hassyan, Dubai 100MW Solar Power Plant, Vijayawada (AP) PGGA Microgrid, Australia Alinta Microgrid, Newman Robben Island_Microgrid, Robben Island MHPS Olkaria V Geothermal Power Plant, Nakaru, Kenya Vattenfall Microgrid, Vattenfall Sai Wardha Power, Chandrapur Tata Power, Mumbai Eastern Region Strengthening Scheme-Bihar (PGCIL), Motihari BHEL, TANTRANSCO Power Transmission Corporation Of Uttarakhand Ltd, Uttarakhand Alstom, Poland APGENCO, Nellatur, Nellore TNEB Cogen, Chennai **CSPDCL** MPMKVVCL, Bhopal & Gwalior



Petroleum

HPCL, Sugauli Indian Oil Tank, Bhogat IOCL, Ennore, Chennai IOCL, Trisundi BPCL, Mumbai JBF Petrochemicals Ltd, Mangalore TEXOL IOCL - Anaka Schalttafel, Faridabad





Sugar

Bagamoyo Sugar Ltd, Tanzania Uttam Sucrotech - Vallabh Bhai Patel Shakkar Karkhana, Cattishgarh Al Ghurair, Dubai Ac Uttam Energy, Dubai Green Power Sugars, Satara Balrampur Chinni Mill, Balrampur Twentyone Sugars Latur, Maharashtra Balrampur Chinni Mill (1), Balrampur ISGEC - Twentyone Sugars Latur, Maharashtra UTTAM ENERGY - Pernod Ricard India Audumbar Patil Sugars, Solapur, Maharashtra Balrampur Chinni Mill(2), Balrampur Balrampur Chinni Mill(3), Balrampur Vitthal Refined Sugar, Solapur, Maharashtra Shankar Ratna Sugars, Pune Solapur, Maharashtra Shankar Ratna Sugars 1, Pune Shankar Ratna Sugars, Pune Daund Sugar, Pune ISGEC - UPSSCL Pipraich (Gorakhpur, UP) of Sugar Mill of UPSSCL, Gorakpur KPR Sugar Mill, Coimbatore Siddheshwar Karkhana Solapur, Maharashtra Gangamai Sugars Ltd, Shegaon, Ahmadnagar Chattrapati Sambhaji Raje Sakhar Udyog Ltd, Chitte Pimpalgaon, Aurangabad Bhaurao Chavan SSKL, Nanded, Maharashtra Shree Siddhivinayak Agri Tech Industries, Osmanabad, Maharashtra



Textile

Welspun India Ltd Bhilosa, Silvasa Mathura Inds, Valsad Creative Textile, Balitha Santham Textile, Silvasa Subam Textiles, Coimbatore Vardhman Textiles, Ludhiana Kirloskar Toyota Textile Machinery



Cement

ACC Cement, Vizag Century Cement, Raipur Birla Cement, Chittorgarh Aditya Cement, Chittorgarh Sagar Cement, Hyderabad



Natel Hotel

Silver Tower Hotel Grand Haytt, Goa Le Meridien, Coimbatore Hotel Lotus Midtown, Mumbai AIIMS, Delhi



Shipyard

Cochin Shipyard, Cochin Bharti Shipyard, Mumbai Hindustan Shipyard, Vizag ABG Shipyard, Cochin Goa Shipyard, Vosco Da Gama



🕽 Beverages

Coca Cola, Varanasi Carslberg, Aurangabad



Polyester

Garware Polyesters Ltd, Aurangabad Wellknown Polyesters Ltd, Daman





Telecom

Reliance JIO, Mumbai Reliance Communication, Mumbai Reliance 4G, Mumbai Tata Communication, Bengaluru



Alstom, Vadodara Bharat Bijli, Airoli Cummins, Pune Kirloskar, Saswad Haldia Energy Ltd



🔊 Pulp & Paper Mill

PT Pindo, Indonesia Subam Papers



VALE Project, Brazil



Banking

ICICI Bank, Chandivali Bank of India, Mumbai Deutsche Bank, Mumbai SBI Data Center, Hyderabad



Defence

HAL, Bengaluru



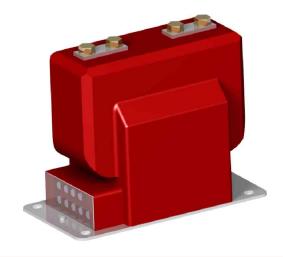
Rajiv Gandhi College, Chandigarh Karpagam Medical College, Coimbatore



Products

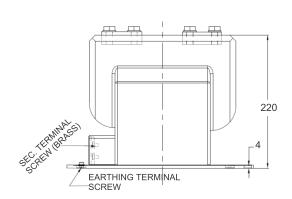
MV Current Transformers

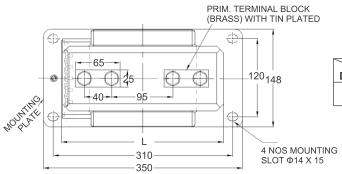
HSV: 3.6kV to 15kV

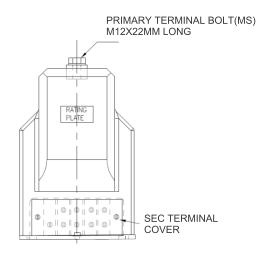


Indoor Wound Primary Type Current transformers -

Wound primary Design, Cast-Resin insulated, upto 3 cores. The alternative combinations of rated primary currents, rated short-time thermal currents and core data are available on request.







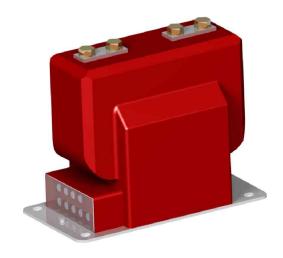
TYPE DIM.	NE11-A	NE11-B	NE11-C	NE11-D	NE11-E
L	165	220	240	260	280

NOTE: FOR L=165 PLATE SIZE 245X148 AND MOUNTING CD 195X120

Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	Impulse test voltage 1.2/50 us full wave (kV)	Rated primary current (A)	Secondary current (A)	Rated short-time thermal current (kA)	Rated dynamic current (kA)	Number of cores (max)
3.6	10	40	20 to 1250	5 or 1	40	100	3
7.2	20	60		5 or 1	40	100	3
12	28	75		5 or 1	40	100	3
15	35	95		5 or 1	40	100	3

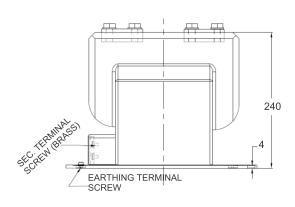


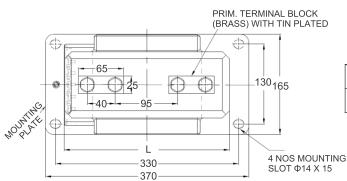
HSV: 3.6kV to 15kV

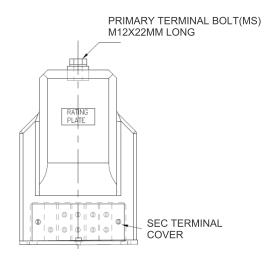


Indoor Wound Primary Type Current transformers -

Wound primary Design, Cast-Resin insulated, upto 3 cores. The alternative combinations of rated primary currents, rated short-time thermal currents and core data are available on request.







TYPE DIM.	NE11-AB	NE11-AC	NE11-AD	NE11-AE
L	200	240	270	300

Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	Impulse test voltage 1.2/50 us full wave (kV)	Rated primary current (A)	Secondary current (A)	Rated short-time thermal current (kA)	Rated dynamic current (kA)	Number of cores (max)
3.6	10	40	20 to 1250	5 or 1	40	100	3
7.2	20	60		5 or 1	40	100	3
12	28	75		5 or 1	40	100	3
15	35	95		5 or 1	40	100	3

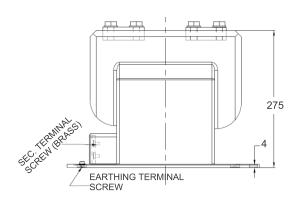


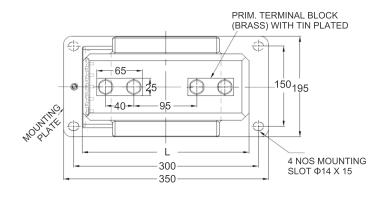
HSV: 24kV

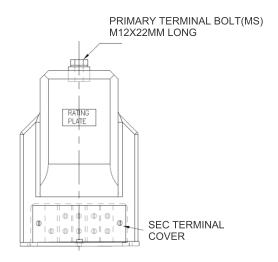


Indoor Wound Primary Type Current transformers -

Wound primary Design, Cast-Resin insulated, upto 3 cores. The alternative combinations of rated primary currents, rated short-time thermal currents and core data are available on request.







TYPE DIM.	NE22-A	NE22-B	NE22-C	NE22-D
L	185	220	250	300

Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	Impulse test voltage 1.2/50 us full wave (kV)		Secondary current (A)	Rated short-time thermal current (kA)	Rated dynamic current (kA)	Number of cores (max)
24	50	125	20 to 1250	5 or 1	31.5	78.75	3

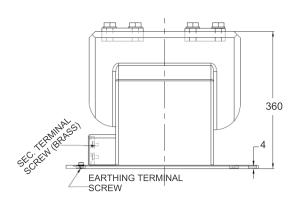


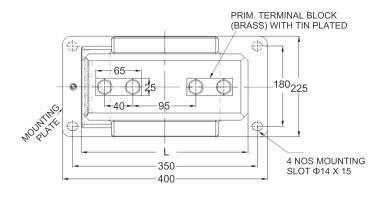
HSV: 36kV

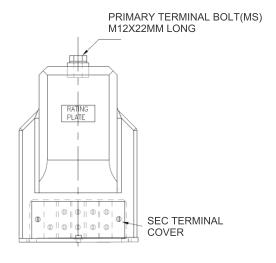


Indoor Wound Primary Type Current transformers -

Wound primary Design, Cast-Resin insulated, upto 3 cores. The alternative combinations of rated primary currents, rated short-time thermal currents and core data are available on request.







TYPE DIM.	NE33-A	NE33-B	NE33-C	NE33-D
L	205	250	300	350

Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	Impulse test voltage 1.2/50 us full wave (kV)		Secondary current (A)	Rated short-time thermal current (kA)	Rated dynamic current (kA)	Number of cores (max)
36	70	170	20 to 1250	5 or 1	31.5	78.75	3



MV Potential Transformers

HSV: 12kV

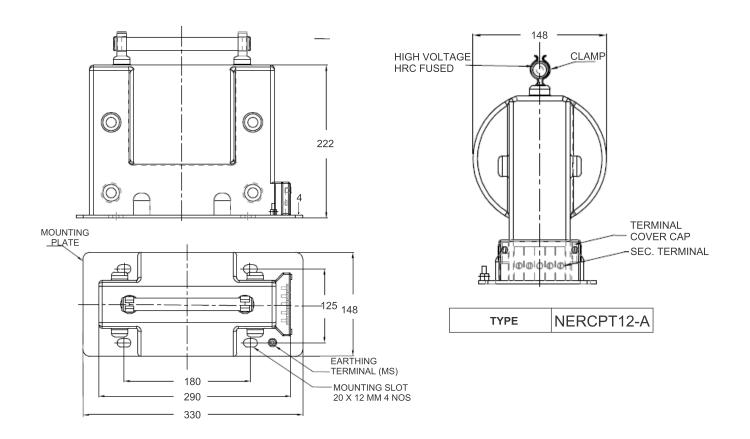


Indoor Voltage transformers -

Cast -Resin insulated, upto 2 secondary windings.

Burden And Accuracy class combination on request.

Model without fuse in same overall dimension available on request.



Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	/ Impulse test voltage 1.2/50 us full wave (kV)	Rated frequency (Hz)	Rated primary voltage (kV)	Secondary voltage (V)	Rated voltage factor 1.2 cont./8 hrs
3.6	10	40	50 to 60	3.3/√3	110/√3	1.5
7.2	20	60		6.6/√3	110/√3	1.5
12	28	75		11/√3	110/√3	1.5



HSV: 22kV

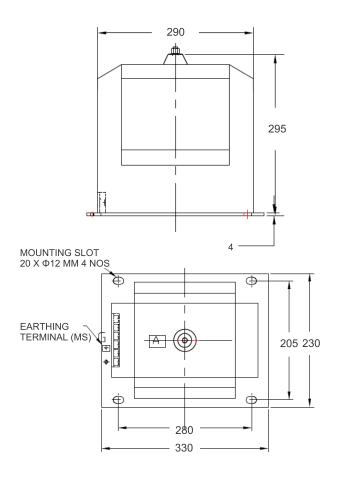


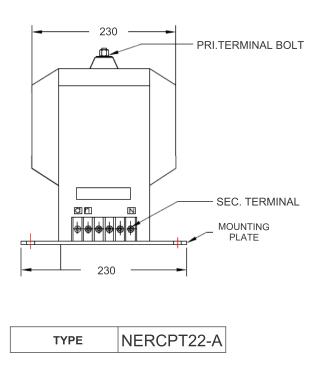
Indoor Voltage transformers -

Cast -Resin insulated, upto 2 secondary windings.

Burden And Accuracy class combination on request.

Model without fuse in same overall dimension available on request.





Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	/ Impulse test voltage 1.2/50 us full wave (kV)	Rated frequency (Hz)	Rated primary voltage (kV)	Secondary voltage (V)	Rated voltage factor 1.2 cont./8 hrs
24	50	125	50 OR 60	22/√3	110/√3	1.5



HSV: 33kV

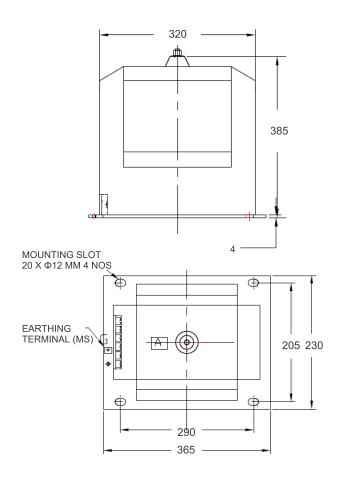


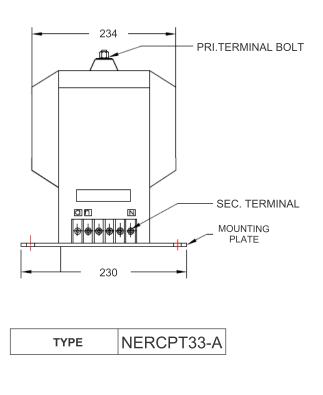
Indoor Voltage transformers -

Cast -Resin insulated, upto 2 secondary windings.

Burden And Accuracy class combination on request.

Model without fuse in same overall dimension available on request.





Operating Voltage (max) (kV)	Rated power-frequency with stand voltage 1 min (kV)	/ Impulse test voltage 1.2/50 us full wave (kV)	Rated frequency (Hz)	Rated primary voltage (kV)	Secondary voltage (V)	Rated voltage factor 1.2 cont./8 hrs
36	70	170	50 OR 60	33/√3	110/√3	1.2



General Features of NEWTEK Current Transformers

Electrical Features

- > Rated frequency = 50-60 Hz
- > Class of insulation = E
- > Rated short time thermal current Ith = 60 In
- ➤ Nominal surge current ldyn = 2.5 lth (Minimum 100 kA at all window type CT's)
- > Highest voltage for equipment Um = 0.72Kv (Other voltages on request)
- > Rated power-frequency withstand voltage = 4Kv/1min (Other voltages on request) Instrument security factor = Fs5

Mechanical Features

- > Unbreakable, flame retardant, self-extinguishing
- > Nylon casing of grade UL 94 V2.
- > Cores are made from high grade CRGO material.
- > Dual coated copper wire having class of insulation H.
- > Nickel plated secondary terminals with plus mins screws of 0.5Nm.
- > Integrated secondary terminal caps.

Special Notes

- > Ct's also available in 0.55, 0.2 and 0.2S accuracy class on request.
- > Other Va's are as per customer requirement.

Applicable Standards:

- > Current Transformer: IS: 2705/1992; IEC/EN: 60044-1
- > Potential Transformer: IS: 3156/1992; IEC: 60044-2
- > Control Transformer: IS: 12021/1987; IEC: 60044-2

Control & Potential Transformer:

- > Newtek provides tailor made range of LT Potential & Control Transformer as per customers demand both in single phase & three phase system, in Resin Cast/Tape Insulated/Varnish Impregnated type of Insulation.
- > Voltage range 0 to 690V, Max VA:-10kVA. We can supply dual secondary, tap changer type PTs & Control Transformers.
- > Available Class of PTs: 0.2, 0.5, 1.0 3P, 6P We can provide you IVTs, RVTs on demand.



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