

**CVS – Combined Electronic Current and Voltage Transformer
For Medium Voltage Distribution Systems**

Altea proposes a family of CVS – combined Voltage and Current Sensors - with Low-Power differential Outputs. All sensors are active and need auxiliary DC power supply. Altea offers Accessories to be used with CVS Sensors:

- ✓ The CVS Power Supply Box, usable with a set of three sensors.
- ✓ The CVS Reader for customers who will connect the output of the CVS to measurement equipment provided with single-ended input. The Altea CVS Reader supplies power to a set of three sensors and makes their outputs from differential binary to single ended type.
- ✓ The Conv-CV in case Lo-Po inputs for Electronic transformers are not available on protection relay or measurement equipment. The Altea Conv-CV supplies power to a set of three sensors, and amplifies their secondary voltage up to the value of traditional measurement transformers.

Please select product characteristics

- 1) Quantity of Sensors: _____
- 2) Service conditions: Indoor – Air insulated switchgear Outdoor
- 3) Ambient-Air Temperature Category: [-5; +40] °C [-25; +40] °C [-40; +40] °C
- 4) Highest Voltage for Equipment: 17,5 kV 24 kV 27 kV 36 kV
 40,5 kV _____
- 5) Rated Frequency: 50 Hz 60 Hz
- 6) Rated Primary Voltage: 15/ $\sqrt{3}$ kV 20/ $\sqrt{3}$ kV 30/ $\sqrt{3}$ kV 35/ $\sqrt{3}$ kV _____
- 7) Rated Primary Current: 200 A 300 A 400 A 500 A 630 A

- 8) Accuracy class of Current Sensor
for Protection: 5P
for Measurement: 1 0,5 (Std) 0,2 S
- 9) Accuracy class of Voltage Sensor
for Protection: 3P
for Measurement: 1 0,5 (Std) 0,2 S
- 10) Frequency bandwidth: rated Frequency Power Quality Metering
- 11) Rated Secondary Value of Current Sensor:
 0,2 V (Std) – by means of Altea Power Supply Box or CS Reader
(see point 16 for quantities)



CUSTOMER REQUEST EVALUATION

Quality Assurance	F-820-001	Rev. A	04/09/2017
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- 1 A – by means of Three-Channels Altea Conv-C
(see point 16 for quantities)
- _____ please contact Altea for different output values

12) Rated Secondary Value of Voltage Sensor:

- 1 V (Std) – by means of Altea Power Supply Box or VS Reader
(see point 16 for quantities)
- $100/\sqrt{3}$ V – by means of Three-Channels Altea Conv-V
(see point 16 for quantities)
- _____ please contact Altea for different output values

13) Integrated Voltage Presence Indicator Capability: Yes No

14) Output cable length: 5 m (Std) _____

Altea Accessories:

15) Auxiliary Supply Voltage: 24 / 48 V DC or AC (Std) 230 VAC
 110 VAC _____

16) Add Three-Channels Altea Power Supply Box to the order: Quantity _____
 Add Three-Channels Altea CVS Reader to the order: Quantity _____
 Add Three-Channels Altea Conv-CV to the order: Quantity _____

Notes:

Date,

Company name:

VAT No:

Address:

Contact:
