**ADC module**

# API

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| API | Usage |
| void Adc\_Init(const Adc\_ConfigType\* ConfigPtr); | This API takes pointer to the configuration container of the Adc driver to initialize the configured channel |
| void Adc\_DeInit(void); | This API is used to reset the ADC hardware |
| void Adc\_StartGroupConversion(Adc\_GroupType group) | This API starts the conversion of all channels inside the specific group |
| void Adc\_StopGroupConversion(Adc\_GroupType group) | This API Stops the conversion of all channels inside the specific group |
| Adc\_ValueType Adc\_SingleValueReadChannel(Adc\_ChannelType channel) | Used to read specific channel |

## Typedef

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| --- | --- |
| Typedef | usage |
| Adc\_ChannelType | Used to Choose the Adc channel |
| Adc\_Grouptype | Type of numeric ID of an ADC channel group |
| Adc\_ValueType | Type for reading the converted values |
| Adc\_ConfigType | Used to hold struct for every configured channel |