

# WAGO-I/O-SYSTEM 750 XTR Overview

## Programmable Fieldbus Controllers

750-880/040-000	ETHERNET Controller /XTR
750-880/040-001	ETHERNET Telecontroller /XTR
750-838/040-000*	CANopen Contr. 640/832KB DSUB /XTR

## Fieldbus Coupler

750-352/040-000	ETHERNET Coupler /XTR
750-333/040-000*	PROFIBUS Coupler DP/V1 /XTR
750-338/040-000*	CANopen Coupler DSUB /XTR

## Digital Inputs and Outputs

750-1405/040-000	16 DI 24 VDC 3.0 ms /XTR
750-1415/040-000	8 DI 24 VDC 3.0 ms/2-wire /XTR
750-508/040-000	2 DO 24 VDC 2.0 A/Diagnostics /XTR
750-1515/040-000	8 DO 24 VDC 0.5 A/2-wire /XTR
750-407/040-000	2 DI 220 VDC 3.0 ms /XTR
750-517/040-000	2 DO 230 VAC 1.0 A/Relay 2CO /XTR

## Analog Inputs and Outputs

750-468/040-000	4 AI 0-10 VDC S.E. /XTR
750-457/040-000	4 AI $\pm 10$ VDC S.E. /XTR
750-453/040-000	4 AI 0-20 mA S.E. /XTR
750-455/040-000	4 AI 4-20 mA S.E. /XTR
750-464/040-000	2/4 AI RTD configurable /XTR
750-469/040-000	2 AI Thermocouple configurable /XTR
750-559/040-000*	4 AO 0-10 VDC /XTR
750-557/040-000*	4 AO $\pm 10$ VDC /XTR
750-563/040-000	2 AO 0/4-20 mA/6-18 VDC/16 Bit /XTR

## Communication, Supply and Segment Modules

750-652/040-000	Serial Interface RS-232/RS-485 /XTR
750-602/040-000	24 VDC Power Supply /XTR
750-624/040-001	24 VDC Field Supply Filter/HI /XTR
750-613/040-000	24 VDC Power Supply (Bus) /XTR
750-626/040-000	24 VDC Supply Filter (Surge)/HI /XTR
750-612/040-000	0-230 V AC/DC Power Supply /XTR
750-1605/040-000	Potential Multiplication 16+ /XTR
750-1606/040-000	Potential Multiplication 16- /XTR
750-600/040-000	End Module /XTR

\* Available: April 2014



750-880/040-000



750-1405/040-000



750-457/040-000



750-652/040-000

# General Technical Data

## Approvals, Standards and Guidelines

For WAGO, only the highest quality is good enough!

This is why the development of all WAGO components is supported by our own accredited test lab with test criteria going far beyond legal specifications. This ensures that all relevant standards, guidelines and international approval requirements are met by the 750 XTR Series.

### General Technical Data

#### Insulation withstand voltages (EN 60870-2-1):

- 24 V: 0.5 kVAC/775 VDC  
1.0 kV impulse voltage (VW1)
- 230 V: 2.5 kVAC/3.5 VDC  
5.0 kV impulse voltage (VW3)

#### Temperature

- Ambient operating temperature:  
-40°C ... +70°C
- Storage temperature:  
-40°C ... +85°C

#### Condensation

- Short-term condensation acc. to class 3K7 / IEC EN 60721-3-3 (except wind-driven precipitation and ice formation)

#### Vibration

- 5g acc. to EN 60068-2-6

#### Mixed operation

Mixed operation (standard/XTR modules) within a node is possible when groups of modules are electrically isolated on the field side (i.e., electrically isolated power supply).

#### Interference-free

All digital outputs are interference-free for safety function applications.

#### Approvals

- CE
- UL508 (pending)
- Shipbuilding (pending)
- Application in Zone 2/22 hazardous areas (pending)



### Standards and Regulations

#### Mechanical stability

##### Vibration resistance:

- IEC 60068-2-6 (5g acceleration)
- EN 60870-2-2
- EN 61131-2
- IEC 60721-3-1
- IEC 60721-3-3

##### Shock resistance:

- IEC 60068-2-27 (15g/11 ms/half-sine)
- IEC 60068-2-29 (25g/6 ms/1,000 shocks)

### EMC

#### Immunity to interference:

- EN 61000-6-1
- EN 61000-6-2
- EN 61131-2
- Shipbuilding
- EN 50121-3-2
- EN 50121-4
- EN 50121-5
- EN 60255-26
- EN 60870-2-1
- EN 61850-3
- IEC 61000-6-5
- IEEE 1613
- VDEW: 1994

#### Emission of interference:

- EN 61000-6-3 and EN 61000-6-4
- EN 61131-2
- EN 60255-26
- Shipbuilding
- EN 60870-2-1  
(industrial + residential environment)
- EN 61850-3  
(industrial + residential environment)
- EN 50121-3-2
- EN 50121-4
- EN 50121-5