

XYR 6000 Wireless Multi Discrete Input Transmitter Series 500

Model Selection Guide

Instructions

- Choose availability column based on mounting configuration.
- A (•) dot denotes unrestricted availability. A letter denotes restricted availability.
- Blank denotes unavailable - choose alternate mounting. Restrictions follow Table V.
- Select the desired Key Number based on the desired communications protocol.
- Select options and approvals from Tables.

Key Number I II III IV V
 [-----] - [000] - [0000] - [-----] - [-----] - [-----]



Key Number	Description	Selection	Availability
	Wireless Transmitter with Three Discrete Inputs	STXW500	↓

TABLE I

No selection		000	•
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TABLE II

No selection		0000	•
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TABLE III - ANTENNA OPTIONS

Antennas	Integral Right-angle, vertical, 2dBi	V-----	d
	Integral Straight, horizontal, 2dBi	S-----	d
	Integral Right-angle, vertical 4dBi	R-----	d
	Remote Omnidirectional, 8 dBi	M-----	p
	Remote Directional, 14 dBi	D-----	e
Cable A for Remote Antenna	None	_ 0 0 _ _	•
	1.0m remote Cable A, Type TNC (Req'd to connect to XYR 6000)	_ 0 1 _ _	f
	3.0m remote Cable A, Type TNC (Req'd to connect to XYR 6000)	_ 0 3 _ _	f
	10.0m remote Cable A, Type TNC (Req'd to connect to XYR 6000)	_ 1 0 _ _	f
	1.0m remote Cable A, Type N (Req'd to connect to XYR 6000)	_ 2 1 _ _	•
	3.0m remote Cable A, Type N (Req'd to connect to XYR 6000)	_ 2 3 _ _	•
	10.0m remote Cable A, Type N (Req'd to connect to XYR 6000)	_ 2 9 _ _	•
Cable B for Remote Antenna w/Accessories*	None	___ 0 0	•
	Accessory + 1.0m Cable B to Antenna, N - N	___ 0 1	•
	Accessory + 3.0m Cable B to Antenna, N - N	___ 0 3	•
	Accessory + 10.0m Cable B to Antenna, N - N	___ 1 0	•

* See Supplemental Accessories

STXW500

TABLE IV - OPTIONS

	Selection		
Radio Options (Must Choose a Radio Option)			
2.4 GHz Frequency Hopping Spread Spectrum (FHSS)	XF	•	b
2.4 GHz Direct Sequence Spread Spectrum (802.15.4 DSSS)	XD	•	
Power Option (Must Choose Power Option)			
Battery Holder Only - No Battery Included	00	•	b
Battery Power	BA	•	
24VDC	DC	•	
Transmitter Housing & Electronics Options			
M20 Conduit Thread (1/2" NPT is standard)	A1	f	b
1/2" NPT to 3/4" NPT 316 SS Conduit Adapter	A2	g	
1/2" NPT to 3/4" NPT 316 SS Conduit Adapter (Quantity of 2 for 24VDC Option)	A4	h	b
316 SS ^{1,2} Electronics Housing - with M20 Conduit Connections	SH	•	
316 SS ^{1,2} Housing with 1/2" NPT Conduit Connection	A3	•	b
Stainless Steel Customer Wired-On Tag (4 lines, 28 characters per line, customer supplied information)	TG	•	
Stainless Steel Customer Wired-On Tag (blank)	TB	•	b
End Cap Warning Label in Spanish	SP	•	
End Cap Warning Label in Portuguese	PG	•	b
End Cap Warning Label in Italian	TL	•	
End Cap-Warning Label in German	GE	•	
Transmitter Mounting Brackets Options			
Mounting Bracket - Carbon Steel	MB	•	b
Mounting Bracket - 304 SS	SB	•	
Flat Mounting Bracket - Carbon Steel	FB	•	
Services/Calibration/Conformance Options			
User's Manual Paper Copy	UM	•	b
Calibration Test Report and Certificate of Conformance (F3399)	F1	•	
Certificate of Conformance (F3391)	F3	•	
Certificate Options			
Certificate of Origin (F0195)	F5	•	
Warranty Options			
Additional Warranty - 1 year	W1	•	b
Additional Warranty - 2 years	W2	•	

Note: Chosen Operator's Manuals and chosen Certificates are automatically shipped with unit.

See 13:STT-OE pages for additional manuals and alternate shipping.

¹ Supplied as 316 SS or as Grade CF8M, the casting equivalent of 316 SS.

² If ordered with Remote Antenna option, Table III Selection M _____ or D _____, antenna parts are not SS or Marine type cables

Certificate	Approval Type	Location or Classification		
No hazardous location approvals			9X	•
FM	Intrinsically Safe	Class I, II, III, Div. 1, Groups A,B,C,D,E,F,G; T4, Ta ≤ 85°C; Type 4X Class I, AEx ia IIC; T4, Ta ≤ 85°C, Zone 0; IP66	1C	•
	Explosion-proof	Class I, Div. 1, Groups A,B,C,D; Class II, Div. 1, Groups E, F & G; Class III, Div. 1, T4, Ta ≤ 85°C; Type 4X Class I, AEx d IIC; T4, Ta ≤ 85°C, Zone 1; IP66		
	Nonincendive	Class I, Div. 2, Groups A,B,C,D; T4, Ta ≤ 85°C; Type 4X		
	Non-Sparking	Class I, AEx nA IIC; T4, Ta ≤ 85°C, Zone 2; IP66		
CSA cus	Nonincendive	Nonincendive, CL I, Div 2, Groups A,B,C & D, CL II & III, Div 2, Groups F & G, T4 Ta = 85°C	2N	•
	Non-Sparking	Class I, Ex/AEx nA IIC; T4, Ta ≤ 85°C, Zone 2; IP66		
	Intrinsically Safe	Class I, Div. 1, Gp A,B,C,D; Class II, Div 1, Gp E,F,G; Class III, Div 1; T4, Ta ≤ 85°C; Type 4X Class I, Ex/AEx ia IIC; T4, Ta ≤ 85°C, Zone 0; IP66	2C	•
	Explosion-proof	Class I, Div. 1, Groups A,B,C,D; Class II, Div. 1, Groups E, F & G; Class III, Div. 1, T4, Ta ≤ 85°C; Type 4X Class I, Ex/AEx d IIC; T4, Ta ≤ 85°C, Zone 1; IP66		
	Nonincendive	Class I, Div. 2, Groups A,B,C,D; T4, Ta ≤ 85°C; Type 4X		
	Non-Sparking	Class I, Ex/AEx nA IIC; T4, Ta ≤ 85°C, Zone 2; IP66		

Table IV continued on next page

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 Selection

TABLE IV - Options (Continued)

Certificate	Approval Type	Location or Classification	Selection	
ATEX	Intrinsically Safe	<input checked="" type="checkbox"/> II 1 GD; Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	3U	•
	Flameproof	<input checked="" type="checkbox"/> II 2 GD; Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C	3B	•
	Non-Sparking	<input checked="" type="checkbox"/> II 3 GD; Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2 Ex tD A22 IP66 T90°C	3Y	•
	Intrinsically Safe	<input checked="" type="checkbox"/> II 1 GD; Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	3C*	•
	Flameproof	<input checked="" type="checkbox"/> II 2 GD; Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C		
	Non-Sparking	<input checked="" type="checkbox"/> II 3 GD; Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2 Ex tD A22 IP66 T90°C		
IECEX Australia & New Zealand	Intrinsically Safe	Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	CU	•
	Flameproof	Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C	CB	•
	Non-Sparking	Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2; IP66 Ex tD A22 IP66 T90°C	CY	•
	Intrinsically Safe	Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	C1*	•
	Flameproof	Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C		
	Non-Sparking	Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2; IP66 Ex tD A22 IP66 T90°C		
SAEx South Africa	Intrinsically Safe	Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	ZU	•
	Flameproof	Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C	ZB	•
	Non-Sparking	Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2; IP66 Ex tD A22 IP66 T90°C	ZY	•
	Intrinsically Safe	Ex ia IIB; T4, Ta ≤ 70°C, Zone 0; IP66 Ex tD A20 IP66 T90°C	ZC*	•
	Flameproof	Ex d [ia] IIB; T4, Ta ≤ 70°C, Zone 1; IP66 Ex tD A21 IP66 T90°C		
	Non-Sparking	Ex nA [nL] IIC; T4, Ta ≤ 84°C, Zone 2; IP66 Ex tD A22 IP66 T90°C		
INMETRO Brazil	Intrinsically Safe	Ex ia IIC; T4, Ta ≤ 85°C, Zone 0; IP 66	6C*	•
	Flameproof	Ex d IIC; T4, Ta ≤ 85°C, Zone 1; IP 66		
	Non-Sparking	Ex nA IIC; T4, Ta ≤ 85°C, Zone 2; IP 66		

* The user must determine the type of protection required for installation of the equipment. The user shall then check the box [✓] adjacent to the type of protection used on the equipment certification nameplate. Once a type of protection has been checked on the nameplate, subsequently the equipment shall not be reinstalled using any of the other certification types.

WARNING – Division 2 / Zone 2 apparatus may only be connected to processes classified as non-hazardous or Division 2 / Zone 2. Connection to hazardous (flammable or ignition capable) Division 1 / Zone 0, or 1 process is not permitted.

TABLE V

Country	(Must Choose a Country Code)	Country Code	Availability
North America, Canada		NA00	•
European Union		EU00	•
Japan		JP00	m
Brazil		BZ00	n

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
b		Select only one option from this group		
d	III	_ 0 0 0 0		
e			III	00 _ _
f			IV	SH, A3
g			IV	DC, SH, A1
h			IV	BA, SH, A1
m	IV	9X		
n			III	D _ _ _ _ , M _ _ _ _
p			V	JP00
			III	_ 00 _ _

Supplemental Accessories & Kits

Description	Part Number
1/2 NPT Socket Plug (ZN Plated CS)	50021832-001
1/2 NPT Certified Conduit Plug (SS)	50021832-002
M20 Certified Conduit Plug (SS)	50000547-001
M20 Conduit Plug (ZN Plated CS)	50000547-002
Surge Diverter*	50018279-090
Lithium Thionyl Chloride Batteries (Qty 2)	50026010-501
Lithium Thionyl Chloride Batteries (Qty 4)	50026010-502
Lithium Thionyl Chloride Batteries (Qty 10)	50026010-503

* Surge Diverter Accessory supplied with Table III, Selections XXX01, XXX03, XXX10