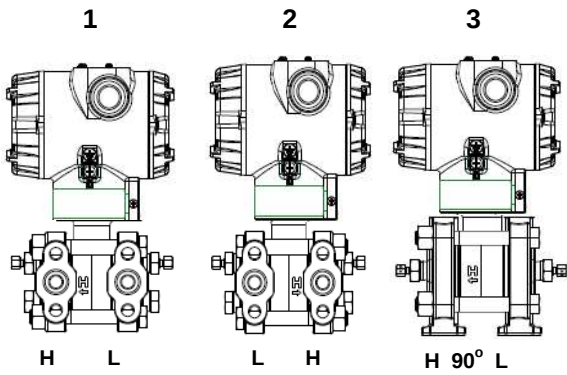


$\sqrt{}$



STD870					
STD830					
STD820					
STD810					
1	*	*	*	*	√
2	*	*	*	*	√
3	h	h	h	h	

TABLE II	Meter Body & Connection Orientation	
Head/Connect Orientation	Standard	High Side Left, Low Side Right ² / Std Head Orientation
	Reversed	Low Side Left, High Side Right ² / Std Head Orientation
	90/Standard	High Side Left, Low Side Right ² / 90° Head Rotation

TABLE III	Agency Approvals (see data sheet for Approval Code Details)
Approvals	No Approvals Required
	FM Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof
	CSA Explosion proof, Intrinsically Safe, Non-incendive, & Dustproof
	ATEX Explosion proof, Intrinsically Safe & Non-incendive
	IECEX Explosion proof, Intrinsically Safe & Non-incendive
	SAEx/CCoE Explosion proof, Intrinsically Safe & Non-incendive
	INMETRO Explosion proof, Intrinsically Safe & Non-incendive
	NEPSI Explosion proof, Intrinsically Safe & Non-incendive

0	*	*	*	*	√
A	*	*	*	*	√
B	*	*	*	*	√
C	*	*	*	*	√
D	*	*	*	*	√
E	*	*	*	*	√
F	*	*	*	*	√
G	*	*	*	*	√

TABLE IV	TRANSMITTER ELECTRONICS SELECTIONS		
a. Electronic Housing Material & Connection Type	Material	Connection	Lightning Protection
	Polyester Powder Coated Aluminum	1/2 NPT	None
	Polyester Powder Coated Aluminum	M20	None
	Polyester Powder Coated Aluminum	1/2 NPT	Yes
	Polyester Powder Coated Aluminum	M20	Yes
	316 Stainless Steel (Grade CF8M)	1/2 NPT	None
	316 Stainless Steel (Grade CF8M)	M20	None
	316 Stainless Steel (Grade CF8M)	1/2 NPT	Yes
	316 Stainless Steel (Grade CF8M)	M20	Yes
b. Output/ Protocol	Analog Output		Digital Protocol
	4-20mA dc		HART Protocol
	4-20mA dc none		DE Protocol Foundation Fieldbus
c. Customer Interface Selections	Indicator	Ext Zero, Span & Config Buttons	Languages
	None	None	None
	None	Yes (Zero/Span Only)	None
	Basic	None	English
	Basic	Yes	English
	Advanced	None	EN, GE, FR, IT, SP, RU, TU
	Advanced	Yes	EN, GR, FR, IT, SP, RU, TU
	Advanced	None	EN, CH, JP
	Advanced	Yes	EN, CH, JP

A __	*	*	*	*	√
B __	*	*	*	*	√
C __	*	*	*	*	√
D __	*	*	*	*	√
E __	*	*	*	*	
F __	*	*	*	*	
G __	*	*	*	*	
H __	*	*	*	*	

_ H _	*	*	*	*	√
_ D _	u	u	u	u	√
_ F _	*	*	*	*	

_ _ 0	*	*	*	*	√
_ _ A	f	f	f	f	√
_ _ B	*	*	*	*	√
_ _ C	*	*	*	*	√
_ _ D	*	*	*	*	√
_ _ E	*	*	*	*	√
_ _ H	*	*	*	*	
_ _ J	*	*	*	*	

TABLE V	CONFIGURATION SELECTIONS		
a. Application Software	Diagnostics		
	Standard Diagnostics		
	Advanced Diagnostics (Above with Plugged Impulse Detection PILD)		
b. Output Limit, Failsafe & Write Protect Settings	Write Protect	Fail Mode	High & Low Output Limits ³
	Disabled	High> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Disabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	High> 21.0mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	Low< 3.6mAdc	Honeywell Std (3.8 - 20.8 mAdc)
	Enabled	N/A	N/A Fieldbus or Profibus
	Disabled	N/A	N/A Fieldbus or Profibus
c. General Configuration	Factory Standard		
	Custom Configuration (Unit Data Required from customer)		

1 _ _	*	*	*	*	√
2 _ _	*	*	*	*	√

_ 1 _	f	f	f	f	√
_ 2 _	f	f	f	f	√
_ 3 _	f	f	f	f	√
_ 4 _	f	f	f	f	√
_ 5 _	g	g	g	g	√
_ 6 _	g	g	g	g	√
_ _ S	*	*	*	*	√
_ _ C	*	*	*	*	

² Left side/Right side as viewed from the customer connection perspective
³ NAMUR Output Limits 3.8 - 20.5mAdc can be configured by the customer or select custom configuration Table Vc

STD870					
STD830					
STD820					
STD810					
	A	*	*	*	*
	B	*	*	*	*
	C	*	*	*	*
	D	*	*	*	*
	E		s	s	s
	F		s	s	s
	G		s	s	s
	H		s	s	s

TABLE VI	CALIBRATION & ACCURACY SELECTIONS		
	Accuracy	Calibrated Range	Calibration Qty
a. Accuracy and Calibration	Standard	Factory Std	Single Calibration
	Standard	Custom (Unit Data Required)	Single Calibration
	Standard	Custom (Unit Data Required)	Dual Calibration
	Standard	Custom (Unit Data Required)	Triple Calibration
	High Accuracy	Factory Std	Single Calibration
	High Accuracy	Custom (Unit Data Required)	Single Calibration
	High Accuracy	Custom (Unit Data Required)	Dual Calibration
	High Accuracy	Custom (Unit Data Required)	Triple Calibration

TABLE VII	ACCESSORY SELECTIONS	
	Bracket Type	Material
a. Mounting Bracket	None	None
	Angle Bracket	Carbon Steel
	Angle Bracket	304 SS
	Angle Bracket	316 SS
	Marine Approved Bracket	Carbon Steel
	Marine Approved Bracket	304 SS
	Flat Bracket	Carbon Steel
	Flat Bracket	304 SS
	Flat Bracket	316 SS
b. Customer Tag	Customer Tag Type	
	No customer tag	
	One Wired Stainless Steel Tag (Up to 4 lines 26 char/line)	
	Two Wired Stainless Steel Tag (Up to 4 lines 26 char/line)	
c. Unassembled Conduit Plugs & Adapters	Unassembled Conduit Plugs & Adapters	
	No Conduit Plugs or Adapters Required	
	1/2 NPT Male to 3/4 NPT Female 316 SS Certified Conduit Adapter	
	1/2 NPT 316 SS Certified Conduit Plug	
	M20 316 SS Certified Conduit Plug	
	Minifast® 4 pin (1/2 NPT) (not suitable for X-Proof applications)	
	Minifast® 4 pin (M20) (not suitable for X-Proof applications)	

0	---	*	*	*	*
1	---	*	*	*	*
2	---	*	*	*	*
3	---	*	*	*	*
8	---	*	*	*	*
4	---	*	*	*	*
5	---	*	*	*	*
6	---	*	*	*	*
7	---	*	*	*	*

_ 0 _	__	*	*	*	*
_ 1 _	__	*	*	*	*
_ 2 _	__	*	*	*	*

_ _ A0	*	*	*	*
_ _ A2	n	n	n	n
_ _ A6	n	n	n	n
_ _ A7	m	m	m	m
_ _ A8	n	n	n	n
_ _ A9	m	m	m	m

TABLE VIII	OTHER Certifications & Options: (String in sequence comma delimited (XX, XX, XX,...))
Certifications & Warranty	None - No additional options
	NACE MR0175; MR0103; ISO15156 (FC33338) Process wetted parts only
	NACE MR0175; MR0103; ISO15156 (FC33339) Process wetted and non-wetted parts
	Marine (DNV, ABS, BV, KR, LR)
	EN10204 Type 3.1 Material Traceability (FC33341)
	MID Approved Transmitter - Contact Tech Support for specific MID approved ranges
	Certificate of Conformance (F3391)
	Calibration Test Report & Certificate of Conformance (F3399)
	Certificate of Origin (F0195)
	FMEDA (SIL 2/3) Certification (FC33337)
	Over-Pressure Leak Test Certificate (1.5X MAWP) (F3392)
	Cert Clean for O ₂ or CL ₂ service per ASTM G93
	Extended Warranty Additional 1 year
	Extended Warranty Additional 2 years
	Extended Warranty Additional 3 years
	Extended Warranty Additional 4 years
	Extended Warranty Additional 15 years

00	*	*	*	*
FG	*	*	*	*
F7	c	c	c	c
MT	d	d	d	d
FX	*	*	*	*
MD		v	v	v
F3	*	*	*	*
F1	*	*	*	*
F5	*	*	*	*
FE	j	j	j	j
TP	*	*	*	*
OX	e	e	e	e
01	*	*	*	*
02	*	*	*	*
03	*	*	*	*
04	*	*	*	*
15	*	*	*	*

TABLE IX	Manufacturing Specials
Factory	Factory Identification

0000	*	*	*	*
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MODEL RESTRICTIONS

Restriction Letter	Available Only with		Not Available with	
	Table	Selection(s)	Table	Selection(s)
a			VIII	F7, FG
k	---		la	J,K,7,L,8
	---		lc	H
	---		ld	B,D,M,N,S
	---		le	1, 2, 3, 5, 6
	---		lll	B- No CRN number available
	---		lf	C
c	1d	_ _ N,K,D,B _ _	la	C,D,3,G,H,6,K,L,8
d	IV a	C, D, G, H _ _	VIIa	1,2,3,5,6,7 _ _
e	lb	_ 2 _ _ _ _		
f			IVb	_ F _
g			IVb	_ H, D _
h	---		le	4, 5, 6
	---		VIIa	1,2,3,4,5,6,7 _ _
j	IVb	_ H _	Vb	_ 1,2,6 _
m	IV a	B, D, F, H _ _		
n	IV a	A, C, E, G _ _		
p			III	B- No CRN number available
t			la	J, K, 7, L, 8
s	la	A,E _ _ _ _ _		
u	---		Va	2
	---		Vla	C,D,G,H
v	IV a	C, D, G, H _ _	IVb	_ D,F _
b	Select only one option from this group			

FIELD INSTALLABLE REPLACEMENT PARTS

Description	Kit Number
Integrally Mounted Basic Indicator Kit (Compatible with all Electronic Modules)	50049911-501
Integrally Mounted Advanced Indicator Kit (compatible with all Electronic Modules)	50049846-501
Terminal Strip w/o Lightening Protection for HART or DE Modules	50075472-531
Terminal Strip w/Lightning Protection Kit for HART or DE Modules	50075472-532
Terminal Strip w/o Lightening Protection FFB/ <i>Profibus</i> Module	50075472-533
Terminal Strip w/Lightning Protection Kit for FFB/ <i>Profibus</i> Module	50075472-534
HART Electronics Module	50049849-501
HART Electronics Module w/connection for external configuration buttons	50049849-502
DE Electronics Module	50049849-503
DE Electronics Module w/connection for external configuration buttons	50049849-504
FFB Electronics Module Kit	50049849-507
FFB Electronics Module w/connection for external configuration buttons	50049849-508

PAPER MANUALS

Description	Part Number
Paper Manual ST 800 Smart Transmitter User Manual - English	34-ST-25-35
Paper Manual ST 800 Smart Transmitter HART/DE Communications Manual - English	34-ST-25-38
Paper Manual ST 800 Smart Transmitter Safety Manual - English	34-ST-25-37
Paper Manual ST 800 Smart Transmitter Foundation Fieldbus Manual - English	34-ST-25-39
Paper Manual ST 800 Smart Transmitter Function Block Manual - English	34-ST-25-42