

Modelcode 2007

Valid: 15.01.2007

Version: 01/07 I



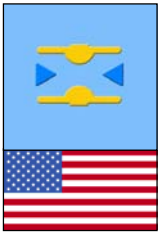
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Electro Magnetic Flowmeter

PIT	DN125 (44 tot 440 m ³ /h) t/m DN2000 (10.000 tot 100.000 m ³ /h)
PITY	DN65 (12 tot 120 m ³ /h) t/m DN200 (113 tot 1130 m ³ /h)

Transmitter UMF	Extended version, options like Ex
Transmitter UMF2	Basic version, NO options like Ex

PIT-Cable
PIT-Welding Socket
PIT-Retracting Device



Magnetic Inductive Flowmeter Sensor PIT



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Model number	Description	Notes
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Block no. 1 2345 678 9 10 11 12 13
PIT - [] [] [] [] [] [] [] [] [] [] [] [] []

S
A
U
X

117C
121C
206R
131C
208R
XXXX

016
XXX

H
T
N
X

-

0
H
T
N
X

1
3
4
5

0
E
B

0
1
2
B
C

Model (Block no. 1)	Mediatemperature
Stainless steel (1.4571/1.4404)/PTFE for diameters DN125 - DN2000 (PN16)	Tmax. = 100°C 1)
PFA for diameters DN125 - DN600 (PN40)	Tmax. = 150°C 1)
Stainless steel (1.4571/1.4404)/PTFE for diameters DN125 - DN2000 (PN16) design for Installation / Removing device	Tmax. = 100°C 1) 2)
Others on request	

Process connection (Block no. 2, 3, 4, 5)	
DN40 PN40 Form B1 DIN EN 1092-1	3) 10)
DN50 PN40 Form B1 DIN EN 1092-1	3) 10)
2" Class 150 RF ASME B16.5-2003	3)
DN80 PN40 Form B1 DIN EN 1092-1	3) 10)
3" Class 150 RF ASME B16.5-2003	3)
Others on request	

Sensor Length (Block no. 6, 7, 8)	
163 mm (for Tubes < DN600)	
Special length, give 3 digits in cm (e.g. 087 for 870 mm).	3) 4)
Price adder for every started 10 cm.	
For tubes ≥ DN600	

Electrode Material (Block no. 9)	
Hastelloy C-4	
Tantal	
Platin	
Others on request	

Earthing Electrode (Block no. 10)	
without	
Hastelloy C-4	5)
Tantal	5)
Platin	5)
Others on request	

Sensor configuration (Block no. 11)	Protection class	Sensor Cable Connection
Integral mount transmitter	IP68	- 6)
Remote mount transmitter	IP65	Terminal block via M20x1,5 7)
Remote mount transmitter	IP68	Terminal block via M20x1,5 7)
Remote mount transmitter	IP68-Ex	Terminal block via M20x1,5 7)

Approvals (Block no. 12)	Mediatemperature
without approval	
II 2G EEx e [ia] IIC T3 - T6	Tmax. = 80°C for model S Tmax. = 130°C for model A 8)
NEPSI	Tmax. = 80°C for model S Tmax. = 130°C for model A 8)

Certificate (Block no. 13)	
without	
Certificate of compliance with the order, 2.1	9)
Test report, 2.2	3) 4) 9)
Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	3) 4) 9)
Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	

Media	...
Process temperature min / max	...
Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
Range	...
Working Pressure	...
Viscosity	...
Density	...
TAG-No.	...
Accuracy (range)	±1,5% of reading + ±0,5% of URV
Repeatability	0,5% of rate
Certificates add. requirements	see supplies list

1) Incl. gasket SIL C-4400 (Klinger)

2) Only with process connection 117C.

3) Only at model S.

4) Only at model U.

5) Only at model A.

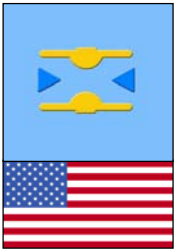
6) Cable glands, select from accessories list.

7) Cable and Cable glands, select from accessories list.

8) Only with Transmitter UMF.

9) Prices in () for every additional identically constructed fitting (collecting certificate), nc

10) Flanges in DIN-standard on request.



Magnetic Inductive Flowmeter Sensor PITY



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Model number		Description	Notes
Block no.	1 2 3 4 5 6 7		
PITY	- [] [] - [] [] [] [] [] []		
	[S]	Model (Block no. 1)	Temperature
	[V]	Stainless steel (1.4571/1.4404)/PTFE for diameters DN65 - DN200 (PN16)	Tmax. = 100°C
	[X]	PVDF for diameters DN65 - DN200 (PN16)	Tmax. = 120°C
		Others on request	
	[H]	Electrode Material (Block no. 2)	
	[T]	Hastelloy C-4	
	[N]	Tantal	
	[X]	Platin	
		Others on request	
	[-]	Welding Socket (Block no. 3)	Temperature
	[0]	ohne	
	[6]	Stainless steel (1.4571/1.4404)	Tmax. = 100°C 1)
	[7]	PVC adhesion fitting GF	Tmax. = 60°C
	[0]	Earthing Electrode (Block no. 4)	
	[H]	without	
	[T]	Hastelloy C-4	only at model V
	[N]	Tantal	only at model V
	[X]	Platin	only at model V
		Others on request	
	[1]	Sensor configuration (Block no. 5)	Protection class
	[3]	Integral mount transmitter	IP68
	[4]	Remote mount transmitter	IP65
		Remote mount transmitter	IP68
	[0]	Approvals (Block no. 6)	
		without approval	
	[0]	Certificate (Block no. 7)	
	[1]	without	
	[2]	Certificate of compliance with the order, 2.1	
	[B]	Test report, 2.2	
	[C]	Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	
		Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	
		Media	...
		Process temperature min / max	...
		Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
		Range	...
		Working Pressure	...
		Viscosity	...
		Density	...
		TAG-No.	...
		Accuracy (range)	±2,0% of reading + ±0,5% of range
		Repeatability	0,05% of rate
		Certificates add. requirements	see supplies list

1) Incl. O-ring (viton)



Magnetic Inductive Flowmeter Transmitter UMF



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Model number	Description	Notes
Block no. 1 2 3 4 5 6 7 8 UMF - <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Power supply (Block no. 1) 230V AC (+10% -15%), 50/60Hz 115V AC (+10% -15%), 50/60Hz 24V AC ($\pm 10\%$), 50/60Hz 24V DC (+20% -10%), 50/60Hz	
<input type="text"/> 1 <input type="text"/> 2 <input type="text"/> 3 <input type="text"/> 4 <input type="text"/> -	Analog output (Block no. 2) 4 - 20mA with HART®-protocol 0 - 20mA	
<input type="text"/> 3 <input type="text"/> 4	Pulse output (Block no. 3) active, 24V DC passive, $U_i=30V$ DC	1)
<input type="text"/> 1 <input type="text"/> 2 <input type="text"/> -	Approvals (Block no. 4) none II(1)2G EEx de [ia] IIB/IIC T3-T6 II(1)2G EEx d [ia] IIB/IIC T3-T6 NEPSI	
<input type="text"/> 0 <input type="text"/> 1 <input type="text"/> 2 <input type="text"/> 4	Type of protection (signal output) (Block no. 5) none EEx ia EEx e (not intrinsically safe)	2) 2) 3)
<input type="text"/> 0 <input type="text"/> I <input type="text"/> E <input type="text"/> -	Mounting (Block no.6) Integral mount Remote mount	4)
<input type="text"/> 0 <input type="text"/> 1 <input type="text"/> 2	Thread for cable gland (Block no.7) M20 x 1,5 1/2" NPT (f)	5)
<input type="text"/> 0 <input type="text"/> 1	Display / Interface board (Block no. 8) None Integral within transmitter housing	

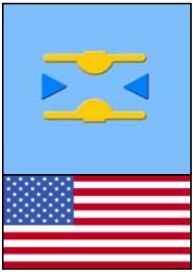
⁴⁾ Signal output EEx ia not possible

²⁾ only with Ex-approval

³⁾ standard protection with Ex-approval EEx d

¹⁾ Includes mounting bracket for wall. Adapter for 2" pipe mounting bracket, select from accessories list.

⁵⁾ Interconnecting cable and cable glands, select from accessories list.



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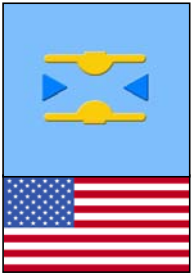
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Interconnection cable for remote mount transmitter UMF

Code	Length (3-digits in meter)	Protection class	Approvals	Cable 1	Cable 2
PITKBL-65-0-		IP65	without approval	grey	-
PITKBL-65-E-		IP65	II 2G EEx e [ia] IIC T3 - T6	grey	blue
PITKBL-68-0-		IP68	without approval	black	-
PITKBL-68-E-		IP68	II 2G EEx e [ia] IIC T3 - T6	black	black



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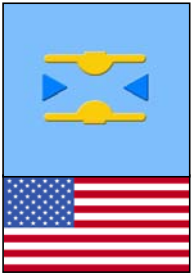
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Welding socket

Model	Type
60000519	Stainless steel (1.4571/1.4404), DN40 PN40, standard length
60018833	Stainless steel (1.4571/1.4404), DN50 PN40, standard length
60020328	Stainless steel (1.4571/1.4404), 2" Class 150 RF ASME B16.5-2003 , standard length
60019917	Stainless steel (1.4571/1.4404), DN65 PN40, standard length
	Stainless steel (1.4571/1.4404), DN80 PN40, standard length
60019025	Stainless steel (1.4571/1.4404), 3" Class 150 RF ASME B16.5-2003 , standard length
	Others on request

Screws on request.



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Only with model PIT-U.

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Installation-, extracting device

Model	Type	Length
PIT-EVVS	Valve lock 1.4408	
PIT-EVDS1G	Pressure screw set (standard)	$l \leq 1000$ mm 1)
PIT-EVDS2A	Pressure screw set (special)	$l \leq 2000$ mm 1)
PIT-EVDS1A	Pressure screw set (standard)	$l \leq 1000$ mm 2)
PIT-EVDS2A	Pressure screw set (special)	$l \leq 2000$ mm 2)
PIT-EVXXX	Others on request	

¹⁾ Only at remote mount transmitter.

²⁾ Only at integral mount transmitter.



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Tel. +31 (0) 345 596 000

Fax +31 (0) 345 596 001

info@adinco.nl