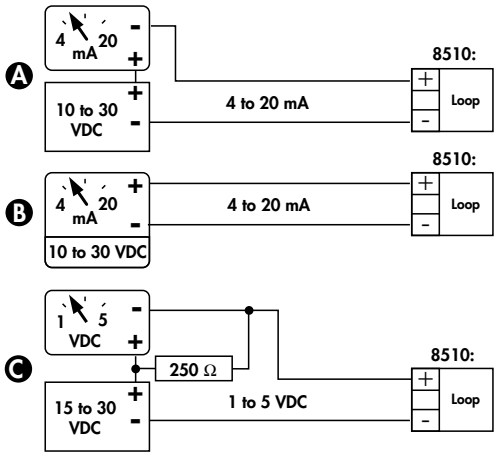
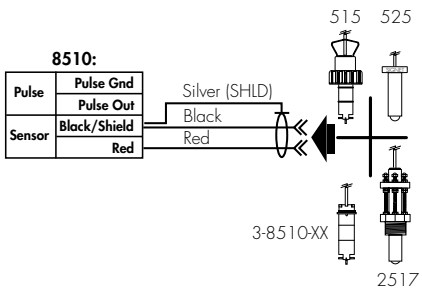
SIGNET 8510 Compak Flow Transmitter Instructions

CAUTION!
Remove power to unit before wiring input and output connections.

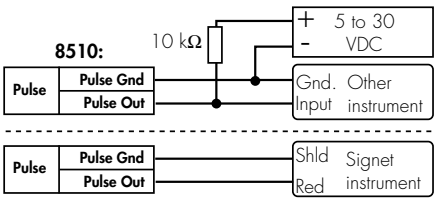
1 Loop Power Connections



2 Compatible Sensor Wiring



3 Pulse Output Wiring

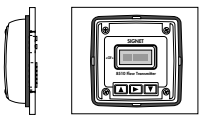


- Use 3-2507.278 input module for Signet instruments
- Signet Intelek-Pro, use 2530 input card setting

4 Installation Options

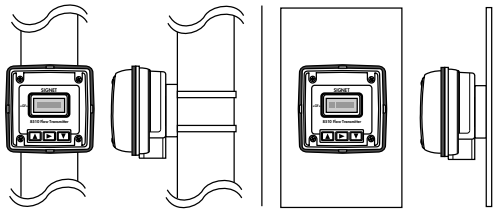
4.1 Standard Panel Mount

- Panel cutout template/instructions (included).



4.2 Optional 3-8010 Universal Mounting Kit

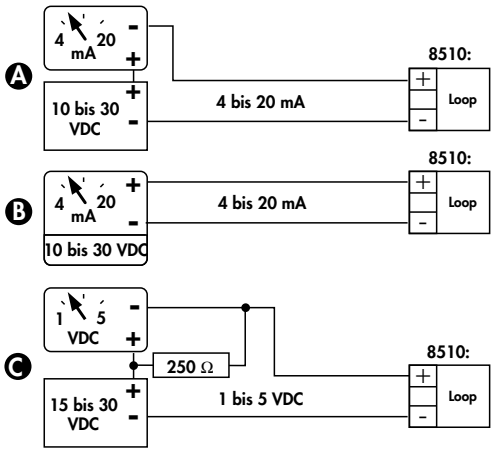
- See section 9 for ordering options.



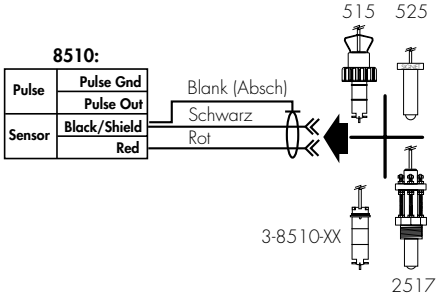
SIGNET 8510 Compak Durchfluss Transmitter - Bedienungsanleitung

ACHTUNG!
Verdrahtung in spannungslosem Zustand ausführen.

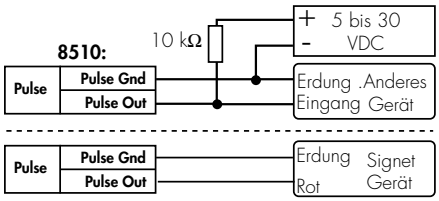
1 Elektrischer Anschluss



2 Sensoranschluss



3 Anschluss Impulsausgang

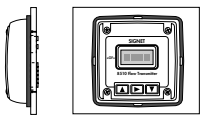


- In SIGNET-Geräten Eingangsmodul 3-2507.278 verwenden
- SIGNET Intelek-Pro 2530 Eingangskarten-Einstellung

4 Montagemöglichkeiten

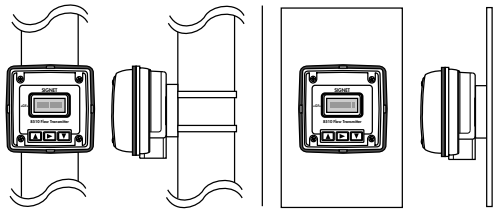
4.1 Schalttafel-Montage

- Mittels Schablone den Transmitter an die Schalttafel montieren



4.2 Universal-Montage mit SIGNET 3-8010 Universal Montage-Set

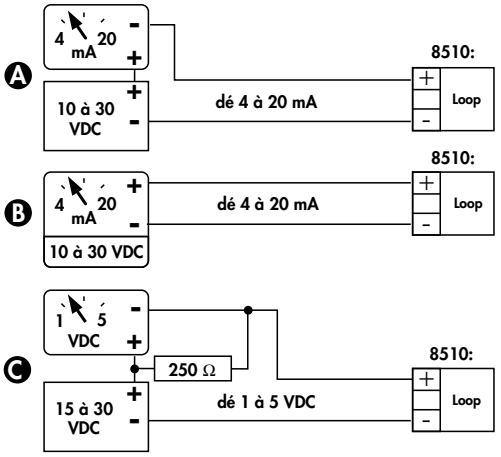
- Abschirmung durch Kabelverschraubung fortführen



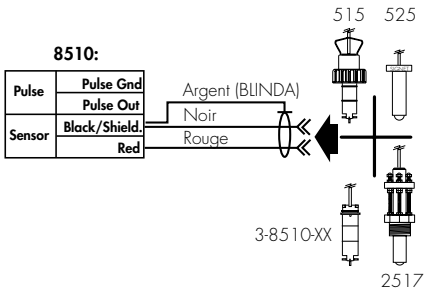
SIGNET 8510 Compak Transmetteur de Debit - Instructions

ATTENTION!
Débrancher d'alimentation avant d'effectuer les connexions.

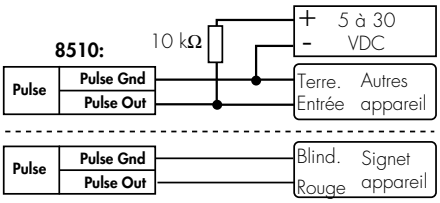
1 Connexions d'alimentation de la boucle



2 Connexion d'un Capteur Compatible



3 Connexions d'sortie impulsion

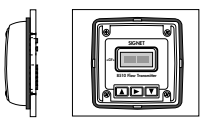


- Utiliser un module d'entrée 3-2507.278 pour les instruments Signet.
- Pour Signet Intelek-Pro, réglez la carte d'entré 2530

4 Options d'installation

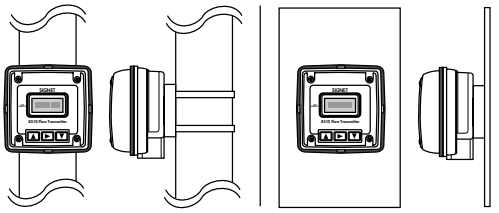
4.1 Insertion Dans un Panneau Standard

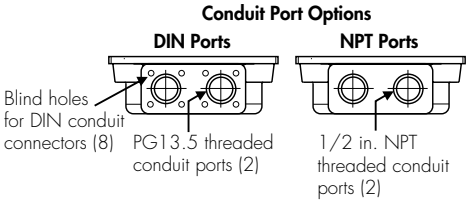
- Les instructions pour la coupe du pannaeu sont incluses, de même qu'un gabarit.



4.2 Ensemble de Montage Universel 3-8010 Facultatif

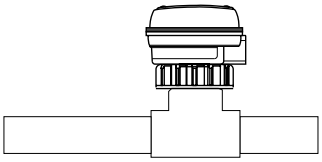
- La section 9 explique les options d'achat.

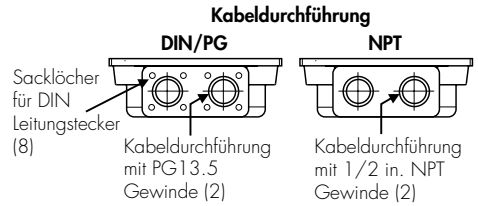




4.3 Optional 3-8011 Integral Mounting Kit

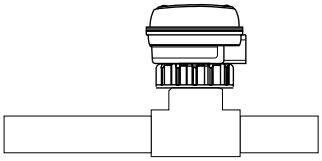
- NPT and DIN conduit port kits available, see illustration (above).
- Compatible with 3-8510-XX flow sensors (only).
- Flow sensor and fitting purchased separately, see section 9 for ordering options.

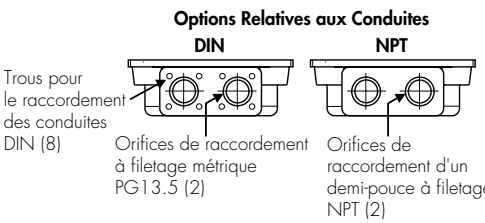




4.3 Compak-Montage mit SIGNET 3-8011 Integral Montage-Set

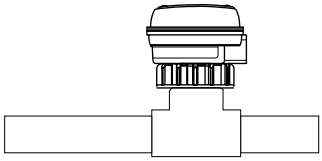
- Diese Montagemöglichkeit ist nur mit dem SIGNET 3-8510-XX Integral Sensor möglich.



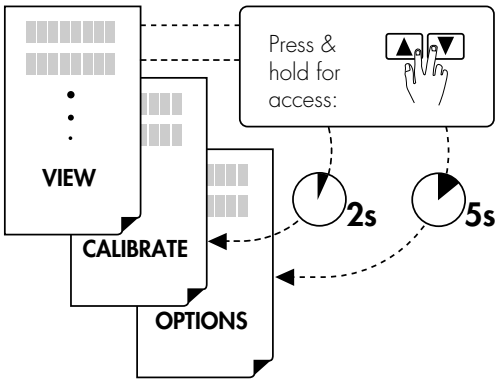


4.3 Ensemble de montage intégrant 3-8011 facultatif

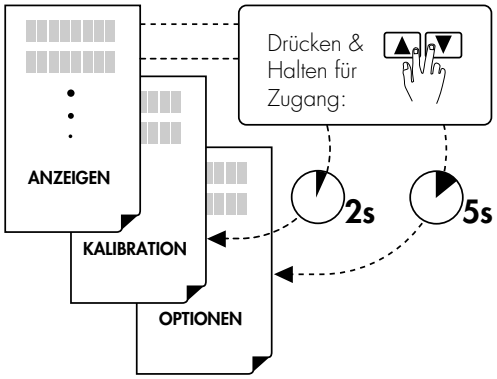
- Ensembles pour conduites DIN et NPT disponibles. Voit l'illustration ci-bas.
- Compatible avec les capteur d'écoulement intégres (seulement).
- Capteur d'ecoulement et ses accessoires d'installation doivent être achetés séparément; voir les options d'achat en section 9.



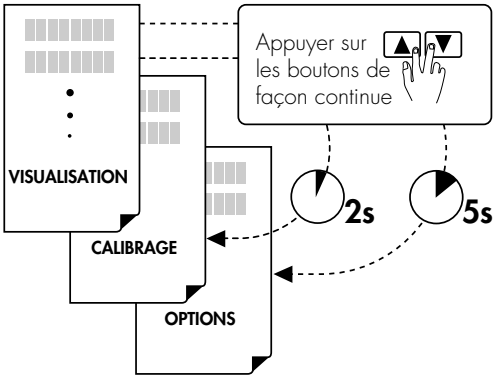
5 FUNCTIONS



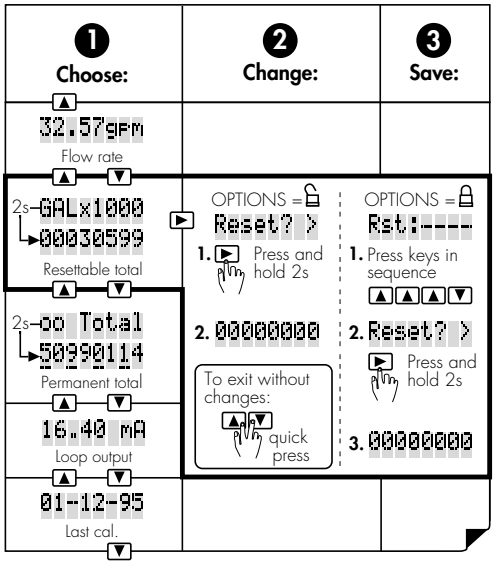
5 FUNKTIONEN



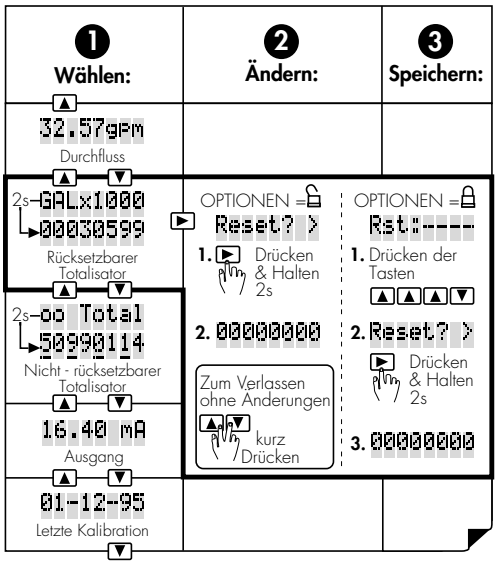
5 FONCTIONS



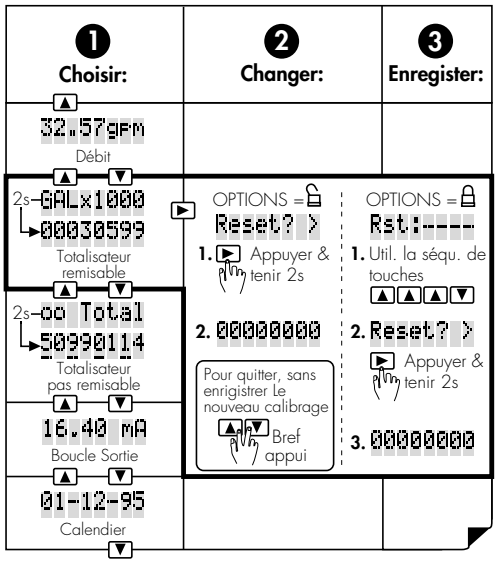
6 VIEW (example)



6 ANZEIGEN (beispliele)

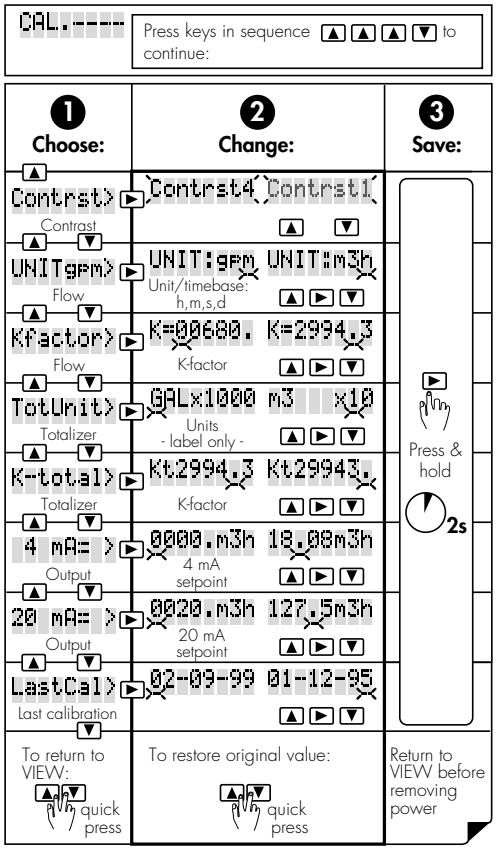


6 VISUALISATION (exemple)



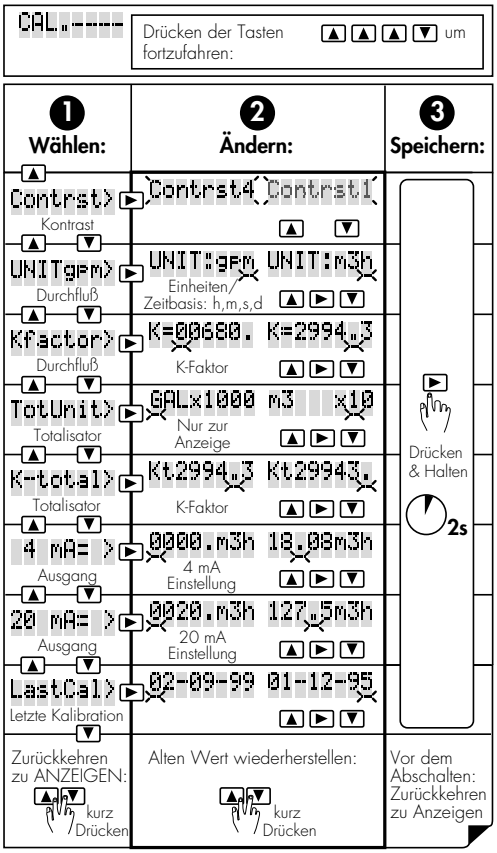
7 CALIBRATE (example)

Find K-factor for your pipe size in your sensor manual



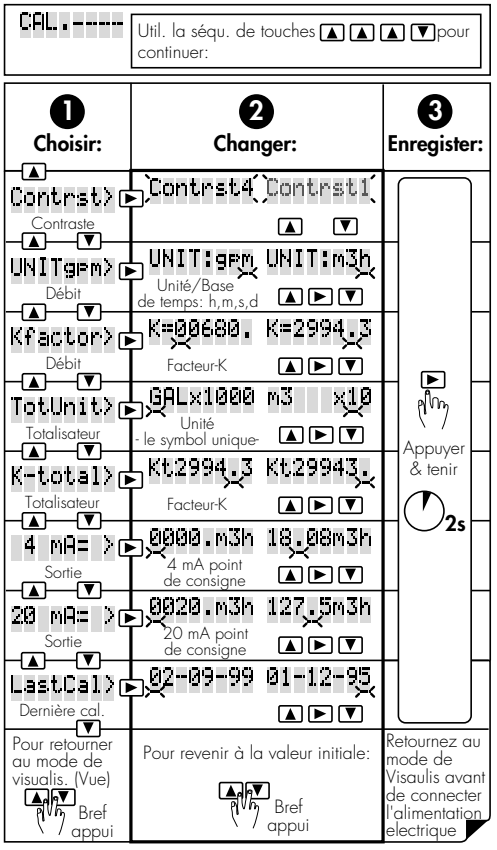
7 KALIBRATION (beispliele)

Den für Ihre Rohrgrösse gültigen K-Faktor finden Sie in der Betriebsanleitung des entsprechenden Sensors.

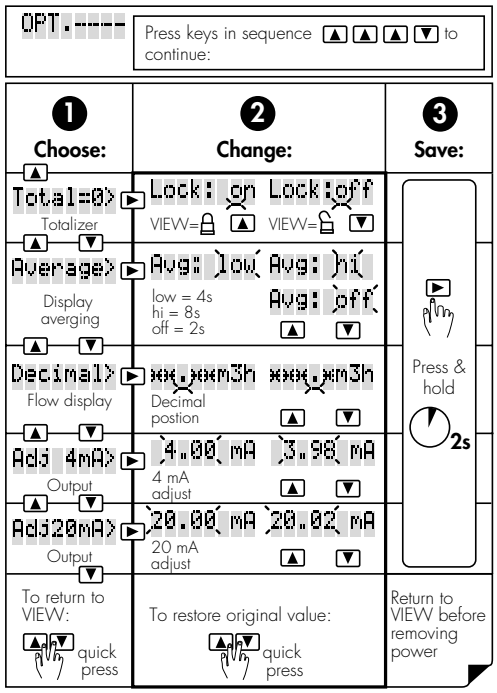


7 CALIBRATION (exemple)

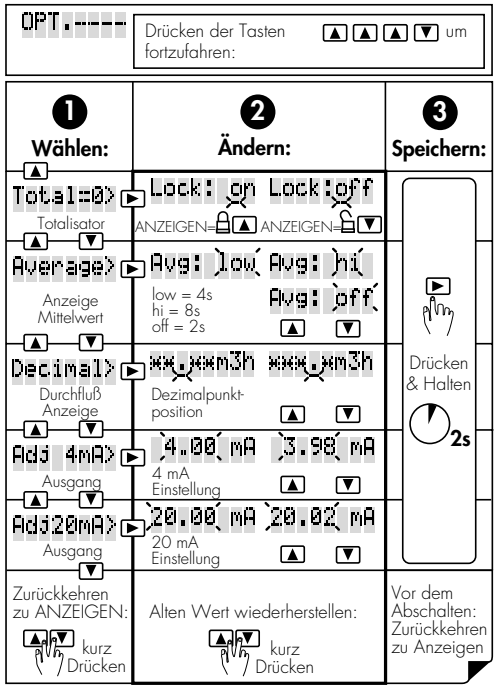
Renseigner K-factor des instruction de capteurs



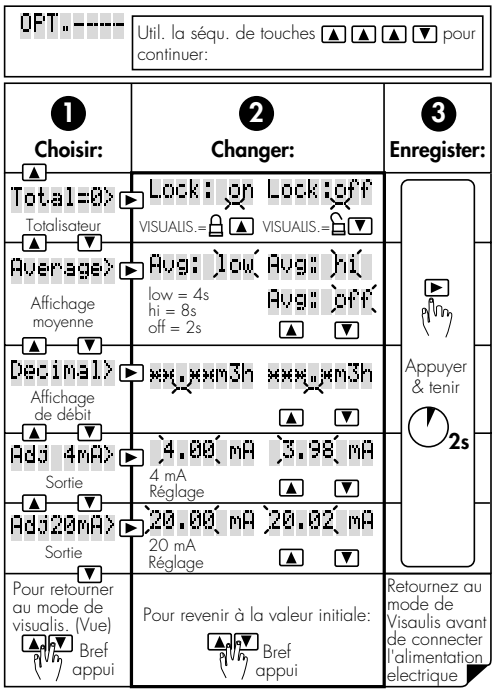
8 OPTIONS (example)



8 OPTIONEN (beispliele)



8 OPTIONS (exemple)



9 Accessories

Order no.	Description	Code
3-8010	Universal mounting kit, NPT ports	198 864 502
3-8010-D	Universal mounting kit, DIN ports	198 864 503
3-8011	Integral sensor mounting kit,	198 864 500
	NPT ports	
3-8011-D	Integral sensor mounting kit,	198 864 501
	DIN ports	
3-8510-P0	Integral sensor, 0.5 to 4 inch	198 864 504
	pipe - PP	
3-8510-P1	Integral sensor, 5 to 8 inch	198 864 505
	pipe - PP	
3-8510-V0	Integral sensor, 0.5 to 4 inch	198 864 506
	pipe - PVDF	

9 Zubehör

Bestell Nr.	Beschreibung	Code
3-8010	Universal Montage-Set, NPT	198 864 502
3-8010-D	Universal Montage-Set, DIN	198 864 503
3-8011	Integral Montage-Set, NPT	198 864 500
3-8011-D	Integral Montage-Set, DIN	198 864 501
3-8510-P0	Integral Sensor, DN15 -	198 864 504
	DN100 Rohr - PP	
3-8510-P1	Integral Sensor, DN125 -	198 864 505
	DN200 Rohr - PP	
3-8510-V0	Integral Sensor, DN15 -	198 864 506
	DN100 Rohr - PVDF	

9 Accessoires

n de commande	Description	Code
3-8010	Ensemble de montage universel (NPT)	198 864 502
3-8010-D	Ensemble de montage universel (DIN)	198 864 503
3-8011	Ensemble de montage pour Capteur	198 864 500
	intégré (NPT)	
3-8011-D	Ensemble de montage pour Capteur	198 864 501
	intégré (DIN)	
3-8510-P0	Capteur intégré, tuyau de 1,27 cm	198 864 504
	(0.5 pounces) à 10,16 cm	
	(4 pounces) - PP	
3-8510-P1	Capteur intégré, tuyau de 12,7 cm	198 864 505
	(5 pounces) à 20,3 cm	
	(8 pounces) - PP	

3-8510-V0	Capteur intégré, tuyau de 1,27 cm	198 864 506
	(0.5 pounces) à 10,16 cm	
	(4 pounces) - PVDF	

10 Specifications

General Data

Enclosure rating:	NEMA 4X/IP65
Enclosure material:	Glass-filled polypropylene
Enclosure gasket:	Silicone rubber (captive)
Enclosure screws:	316 stainless steel, 8-32 self-tapping (captive)
Display type:	8-digit alphanumeric dot matrix
Display contrast:	Variable
Display ranges:	Flow, 0.01 to 9999., Resettable/permanent totalizers, 0 to 99999999, Loop current, 3.90 to 21.00 mA
Display accuracy:	Flow, ±0.1% of reading, Totalizers, ±0.03% of reading
Loop accuracy:	±0.050 mA
Loop resolution:	5 µA

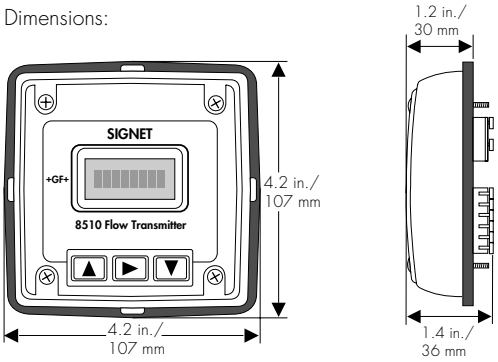
Electrical Data

Loop power:	10 to 30 VDC
Loop impedance:	1 Ω max. @ 10 VDC 100 Ω max. @ 12 VDC 1000 Ω max. @ 30 VDC
Current output:	4 to 20 mA (adjustable)
Pulse output:	Sensor frequency, optically isolated open-collector transistor, max. current sink 3.6 mA @ 30 VDC
Frequency range:	2 to 500 Hz

Ambient Conditions

Operating temperature:	-15 to 70 °C/5 to 158 °F
Storage temperature:	-15 to 80 °C/5 to 176 °F

Dimensions:



(front view) (side view)

11 Warranty

This product includes a limited warranty. Consult your Signet distributor for specific warranty conditions.

10 Technische Daten

Allgemeine Daten

Gehäuseschutzart:	NEMA 4X/IP65
Gehäusematerial:	PP glasfaserverstärkt
Gehäusedichtung:	Siliziumgummi
Gehäuseschrauben:	Rostfreier Stahl 316, 8-32 Blechschrauben
Anzeige:	8-stellig, alphanumerische Punktmatrix-Anzeige
Anzeigekontrast:	einstellbar
Anzeigebereich:	Durchfluss, 0.01 bis 9999., Rücksetzbarer/Nicht-rücksetzbarer Totalisator, 0 to 99999999, Stromschleife, 3.90 bis 21.00 mA
Genauigkeit der Anzeige:	±0.1% vom Messwert, Totalisator, ±0.03% vom Messwert
Genauigkeit der Stromschleife:	±0.050 mA
Auflösung der Stromschleife:	5 µA

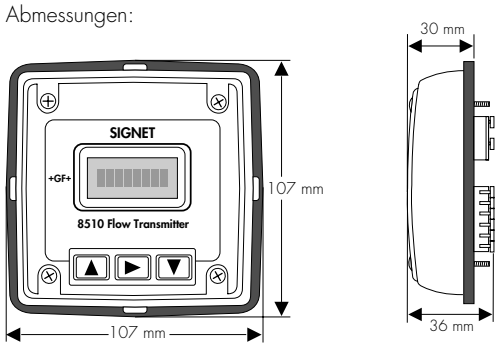
Elektrische Daten

Speisespannung:	10 bis 30 VDC
Stromschleifenimpedanz:	1 Ω max. @ 10 VDC 100 Ω max @ 12 VDC 1000 Ω max. @ 30 VDC
Ausgangsstrom:	4 bis 20 mA (einstellbar)
Ausgangsimpuls:	Sensorfrequenz, max. Stromsenke 3.6 mA @ 30 VDC, offener Kollektor
Frequenzbereich:	2 bis 500 Hz

Umgebungsbedingungen

Temperaturbereich:	-15 bis 70 °C
Lagertemperatur:	-15 bis 80 °C

Abmessungen:



Draufsicht) (Seitenansicht)

11 Garantie

Diese Druckschrift enthält keine Garantiezusagen, sondern soll lediglich technische Informationen vermitteln. Wir verweisen auf unsere Allgemeinen Verkaufsbedingungen.

10 Spécifications

Caracteristiques

Classification du boîtier:	NEMA 4X/IP65
Composition du boîtier:	Polypropyléne - chargé fibres de verre
Joints d'étanch. du boîtier:	Silicone-caoutchouc (captif)
Vis du boîtier:	acier inoxidable 316, 8-32 (captif)
Type d'affichage:	Alphanumérique matriciel à 8 caractéres
Contraste de l'affichage:	Réglable
Gammes d'affichage:	Débit, 0.01 à 9999., Totaliseur remisable/pas remisable, de 0 à 99999999, Courant de boucle, 3.90 à 21.00 mA
Exactitude del'affichage:	±0.1% de la lecture, Totaliseur, ±0.03% de la lecture
Exactitude de la boucle:	±0.050 mA
Resolution:	5 µA

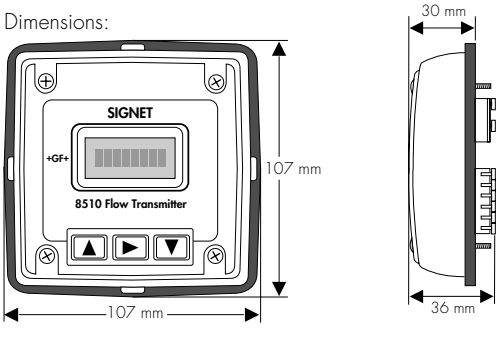
Caractéristiques électriques

Alimentation:	10 à 30 VDC
Impédance de la boucle:	1 Ω max. @ 10 VDC 100 Ω max @ 12 VDC 1000 Ω max. @ 30 VDC
Courrant de Sortie:	4 à 20 mA (réglable)
Impulsions de Sortie:	Fréquence du Capteur, transistor collecteur - ouvert isolé optiquement, courant maximum 3.6 mA à 30 VDC
Échelle de fréquence:	2 à 500 Hz

Environnement

Température de service:	-15 à 70 °C
Temp. de stockage:	-15 à 80 °C

Dimensions:



(Vue de dessus) (Vue de cote)

11 Garantie

Les données techniques présentées dans la présente publications ne sont données qu'a titre d'information. Elles n'impliquent aucune garantie de quelque ordre que ce soit.

SIGNET

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CH Georg Fischer Rohrleitungssysteme AG, CH-8201 Schaffhausen/Schweiz, Tel. 053/81 11 11, Telex 89 70 70 64 gf ch, Fax 053/25 91 30
SIN George Fischer Pte Ltd., 15 Kaki Bukit Road 2, KB Warehouse Complex, Singapore 1441, Tel: 65/747 0611, Fax: 65/747 0577

GEORGE FISCHER +GF+ Piping Systems

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