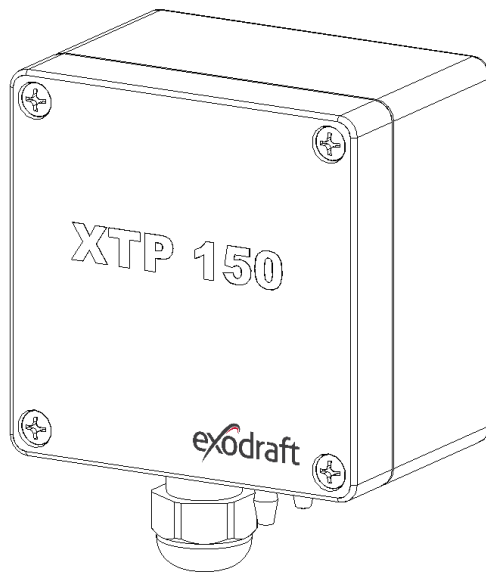


XTP150



READ AND SAVE THESE INSTRUCTIONS!



Product information

Chapters 1



Mechanical installation

Chapter 2



Electrical installation

Chapter 2



Technical data

Chapter 3

UK

Job name: _____

Installer: _____

Installation date: _____

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1. UK – Product information

1.1 Delivery

Box contents

This box contains:
1 XTP150
1 Instruction set
1 Silicone hose Ø 5

Symbol Legend:

The following terms are used throughout this manual to bring attention to the presence of potential hazards or to important information concerning the product.

Prohibition symbol:



Failure to observe instructions marked with a prohibition symbol may result in serious injury or death.

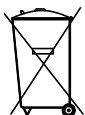
Danger symbol:



Failure to observe instructions marked with a danger symbol may result in personal injury and/or damage to the unit.

TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- Use this unit in the manner intended by the manufacturer. If you have questions, contact the supplier at the address or telephone number listed on the back of the manual.
- Before servicing or cleaning the unit, switch off at service panel and lock service panel to prevent power from being switched on accidentally.
- Installation work and electrical wiring must be done by a qualified person(s) in accordance with applicable codes and standards.
- Follow the appliance manufacturer's guidelines and safety standards and the local code authorities
- This unit must be grounded.



Disposal

No special requirements. Disposal should be carried out in accordance with statutory regulations related to the disposal of electronic waste.

Scope of of these instructions

These instructions apply to **exodraft** pressure transducer XTP150. Information contained within this document must be fully observed to ensure personal safety as well as protection and correct operation of the unit.

exodraft a/s accepts no liability for accidents resulting from this unit not being used in accordance with the instructions and specifications contained within this document.

1.2 Warranty

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exodraft a/s provides a two-year factory warranty on the pressure transducer, valid from the date of invoice. Installation must be carried out by competent personnel.

1.3 Fitting the XTP150

Application

XTP150 is a high-precision pressure transducer specially developed for solid-fuel systems.

Dimensions:

With cover

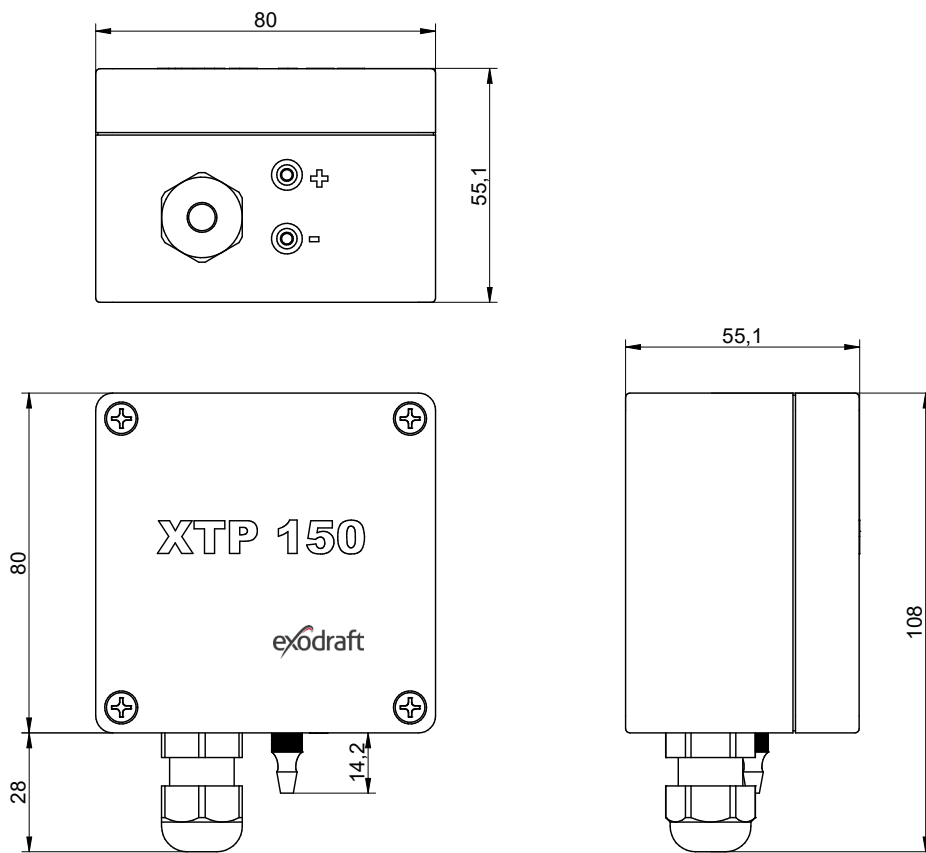




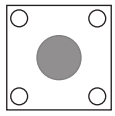
Fig. 1

Pos	Description	Pos	Description
A	DIP switch	F	(-) Pressure connector (P2)
B	Power LED	G	(+) Pressure connector (P1)
C	Zero-point calibration button	H	Status LED
D	Cable connector	I	Connecting terminals
E	Mounting holes	J	Pressure transducer

See Fig. 2.

DIP switch (A)	Setting	Function	Factory setting	OFF	ON
	1	0-150 / 0-250 Pa	OFF	0-150 Pa	0-250 Pa
	2	Calibration enabled	OFF	OFF	Calibrate

Operating LED (B/H)	Indication	Function
	Power LED Flashing YELLOW	Power On
	Status LED constant GREEN	Unit is Ok
	Status LED off	Unit is not working

Zero-point calibration button (C)	To activate	Function
	Press and hold for 5 s	Calibration of zero point

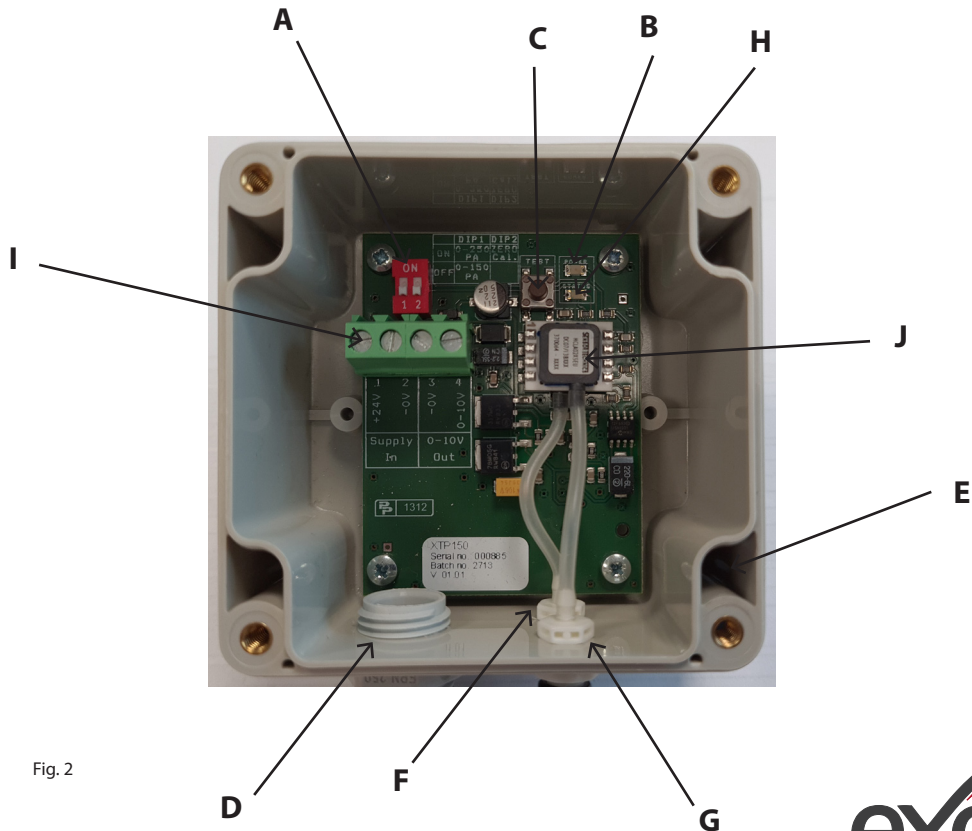


Fig. 2

2. Installation

6

2.1 Fitting

Set up:



The XTP150 must be fitted with the hose connectors facing down (fig. 3)

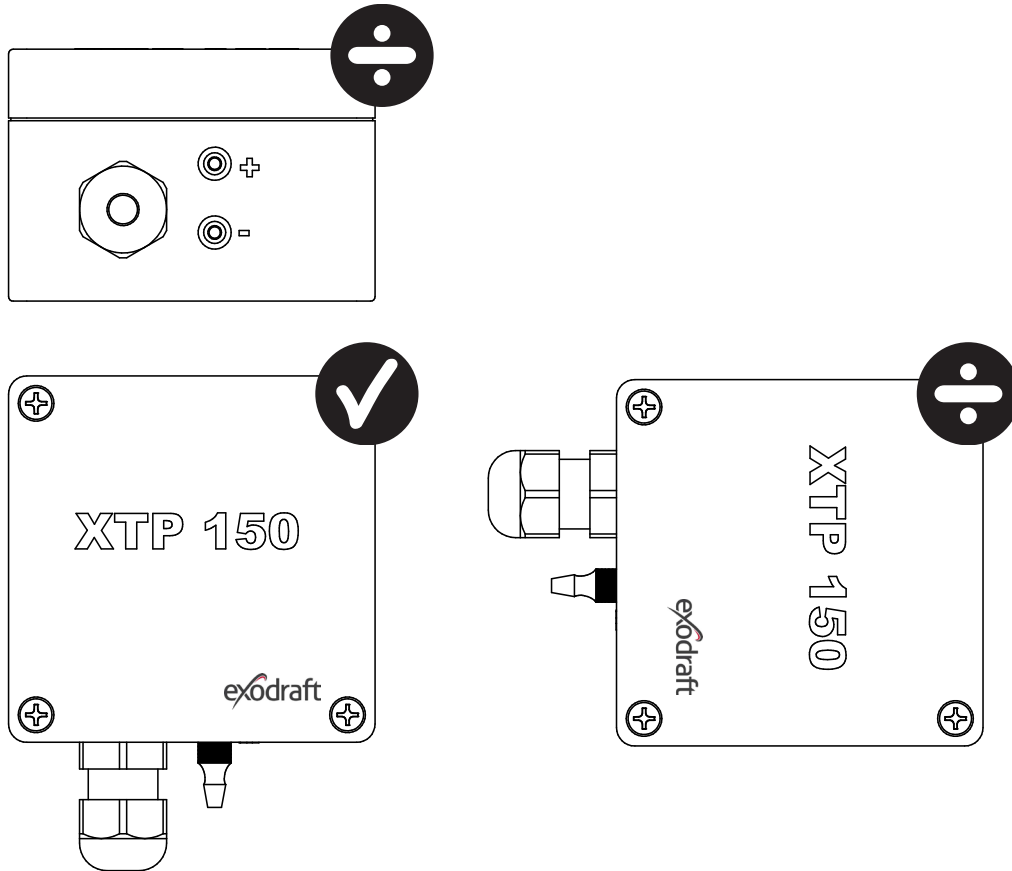


Fig. 3

*For negative-pressure measurement, fit the pressure hose to the (-) Pressure connector.
For positive-pressure measurement, fit the pressure hose to the (+) Pressure connector.*

Outdoor

If there is a risk of adverse effect from strong winds, the hose located inside the XTP150 can be removed from the (+) valve. Interfilter should be fitted to the external (+) valve. The filter is not supplied by **exodraft**.



Do not blow into the valves on the XTP150

2.2 Electrical wiring



All installations must be carried out by competent personnel in accordance with national legislation and regulations.

Terminals

XTP150 is connected to the screw terminals as shown (fig. 4)

1	2	3	4
+24V	-0V	-0V	0-10V
Supply In			Out

Fig. 4

Key to fig. 4

Terminal	Description
1	+24 V DC Supply in
2	- 0 V DC Supply in (Bridged with terminal 3)
3	- 0 V DC Signal out (Bridged with terminal 2)
4	0-10 V DC Signal out

NB: Max. 100 metre cable, min. 0.75 wire.

2.3 Normal operation, calibration and measuring range on a XTP150

Under normal operation the Status LED is illuminated and the Power LED is blinking. If the Status LED is off, remove power to the sensor and perform a calibration. If this does not remedy the problem, the sensor is faulty.

- **How to calibrate the XTP sensor**

1. Remove the tubes from the sensor
2. Switch the DIP2 to "ON" position
3. Press the button until the Power LED starts blinking
4. Switch the DIP2 to "OFF" position
5. Reposition the tubes

- **How to change measuring range on a XTP150**

1. Remove the tubes from the sensor
2. Switch the DIP1 to "ON" position
3. Switch the DIP2 to "ON" position
4. Press the button until the Power LED starts blinking
5. Switch the DIP2 to "OFF" position
6. Reposition the tubes

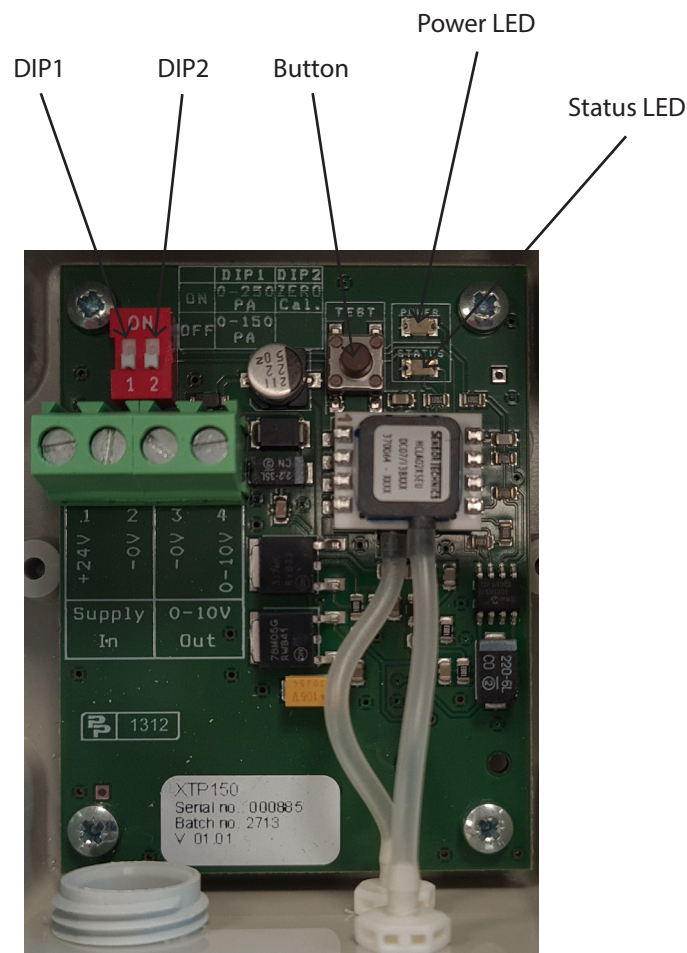


Fig. 5

3. Technical data

General

Pressure range:	5 Pa - 150 Pa (5 Pa -250 Pa) +/- 0,1 % Full scale
Dimensions (h x w x d):	80 mm x 82 mm x 55 mm
Weight:	165 g
Ingress Protection:	IP65
Material:	Box: Light grey polycarbonat (PC)
Ambient temperature:	-25 °C - +50 °C
Storage temperature:	-25 °C - +50 °C
Connection terminals:	Screw: max. 1,5° wire
Cable length:	Max. 100 m, min. 0,75° wire

Inputs

Supply:	24 VDC (+/- 15 %)
Power Consumption, absolut max:	30 mA
Power Consumption, nominel	20 mA

Outputs

Output:	0-10 VDC, max. 10 mA
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Miscellaneous

Tolerable overload:	5000 Pa
Medium:	Air and exhaust gases
Responce time:	< 0,2 s
Resolution from digital sensor:	0,01 Pa
Repeatability:	+/- 0,1 % Full scale
Combined non-linearity and hysteresis:	+/- 0,05 % Full scale
Offset longtime drift 1 year:	+/- 0,7 Pa max.
Temperature drift:	+/- 1,0 % Full scale
Transfer ratio:	0,6 (250 Pa signal / 150 Pa output)



4. Declaration of Conformity



<p>DK: EU-Overensstemmelseserklæring GB: Declaration of Conformity DE: EU-Konformitätserklärung FR: Déclaration de conformité de l'Union Européenne NO: EU-Samsvarserklæring</p>	<p>NL: EU-Conformiteits verklaring SE: EU-Överensstämmelsedeklaration FI: EU-Vaatimustenmukaisuusvakuutus IS: ESS-Samræmisstaðfesting IT: Dichiarazione di Conformità Unione Europea</p>
<p>exodraft a/s Industrivej 10 DK-5550 Langeskov</p>	
<p>-erklærer på eget ansvar, at følgende produkter: -hereby declares that the following products: -erklärt hierdurch auf eigene Verantwortung, daß folgende Produkte: -déclare, sous sa propre responsabilité, que les produits suivants: -erklærer på eget ansvar at følgende produkter:</p>	<p>-veklaart dat onderstaande producten: -deklarerar på eget ansvar, att följande produkter: -vastaa siltä, että seuraava tuote: -Staðfesti à eigin ábyrgð, að eftirfarandi vörur: -dichiara con la presente che i seguenti prodotti:</p>
<p>XTP150</p>	
<p>-som er omfattet af denne erklæring, er i overensstemmelse med følgende standarder: -were manufactured in conformity with the provisions of the following standards: -die von dieser Erklärung umfaßt sind, den folgenden Normen: -auxquels s'applique cette déclaration sont en conformité avec les normes ci-contre: -som er omfattet av denne erklæring, er i samsvar med følgende standarder:</p>	<p>-zijn vervaardigd in overeenstemming met de voorschriften uit de hieronder genoemde normen en standaards: -som omfattas av denna deklaration, överensstämmer med följande standarder: -jota tämä selvitys koskee, on seuraavien standardien mukainen: -sem eru meðtalin í staðfestingu Pessari, eru í fullu samræmi við eftirtalda staðla: -sono stati fabbricati in conformità con le norme degli standard seguenti:</p>
<p>EN 60335-1, EN60335-2-102, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 301489-1, EN 301489-3, EN 14459:2008</p>	
<p>-i.h.t bestemmelser i direktiv: -in accordance with -entsprechen gemäß den Bestimmungen der folgenden Richtlinien: -suivant les dispositions prévues aux directives: -i.h.t bestemmelser i direktiv:</p>	<p>-en voldoen aan de volgende richtlijnen: -enligt bestämmelserna i följande direktiv: -seuraavien direktiivien määräysten mukaan: -med tilvisun til ákvarðana eftirlits: -in conformità con le direttive:</p>
<p>-Lavspændingsdirektiv: -the Low Voltage Directive: -Niederspannungsrichtlinie: -Directive Basse Tension: -Lavspenningsdirektivet:</p>	<p>-de laagspanningsrichtlijn: -Lågspänningsdirektivet: -Pienjännitedirektiivi: -Smáspennueftirlitið: -Direttiva Basso Voltaggio:</p>
<p>2006/95/EC</p>	
<p>-EMC-direktivet: -and the EMC Directive: -EMV-Richtlinie: -Directive Compatibilité Electromagnétique: -EMC-direktivet:</p>	<p>-en de EMC richtlijn: -EMC-direktivet: -EMC-direktiivi: -EMC-eftirlitið: -Direttiva Compatibilità Elettromagnetica:</p>
<p>2004/108/EC</p>	
<p>Odense, 28.10.2021 -Adm. direktør -Managing Director Anders Haugaard </p>	<p>-Algemeen directeur -Geschäftsführender Direktor -Président Directeur Général -Verkställande direktör -Toimitusjohtaja -Framkvemdastjóri -Direttore Generale</p>

