

## smart memo

Electronic pressure measuring case for pressure tests on gas and water pipelines

**LTE**

 **GPS**



Send test reports directly by mail with **LTE** data transmission



### Inputs

Easily operated and fast input via touch screen



### Signature

directly on the display

- small and handy – half the size of a DIN A4 sheet
- dynamic pressure tests with optimised adjustment times
- intelligent, interlinkable temperature and pressure sensors
- enlarged display with touch function, signature on the display possible
- LTE data transmission and GPS position data storage
- Bluetooth integrated
- operating time doubled

## PICTURES OF APPLICATION





# SMART MEMO

## SIMPLY SMALLER, SIMPLY MORE FLEXIBLE, SIMPLY SMARTER

Pressure tests are essential for the approval of pipelines. The smart memo offers you excellent technology in practical design. The small and handy case is half the size of a DIN A4 sheet and therefore particularly space-saving.

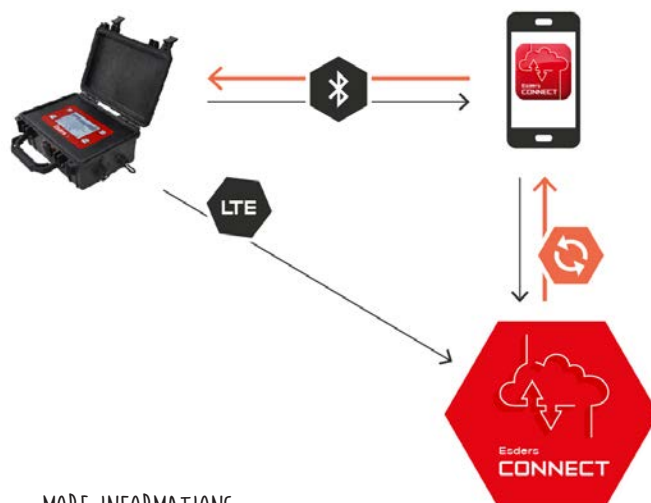
Enlarged **display** for clear, concise presentation of all relevant data before, during and after the pressure test. The current pressure curve can be displayed at any time during the test as a **graphic** via a function key. This allows the user to maintain an overview and obtain valuable information graphically even without a paper printer.



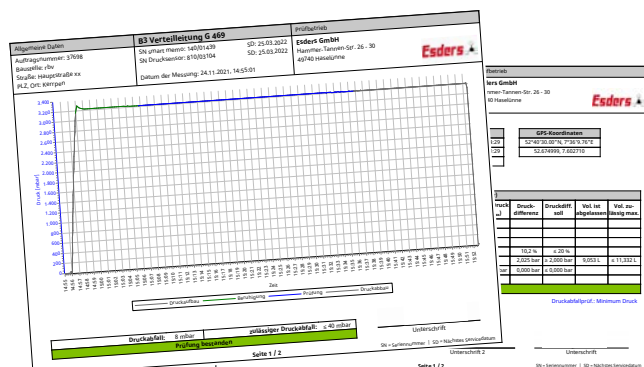
## SIMPLE DATA TRANSFER

With the **LTE function** (optional), the smart memo can transmit data digitally. The finished reports can be sent directly from the construction site. You simply enter the e-mail address in the smart memo. No additional app or software is required.

**Without the LTE function** you can upload the measurements directly using the **Esders Connect App** and send reports to email addresses. The Esders Connect App is available for iOS and Android. For use with a Windows Phone or PC, we have programmed the Esders Connect PC.



MORE INFORMATION





## OPTIONS GAS



- Option DVGW G469 B3
- Option Service line extended
- Option G-22/G23 (NL)
- Option ÖVGW G E101
- Option SVGW
- Option EWE
- Option Avacon
- Option WEVG
- Option B3 pressure test (Polen)
- Option Fluvius (Belgien)

## OPTIONS WATER



- Option DVGW W 400-2
- [Option AGFW FW 602](#)
- Option ÖVGW W 101
- Option EN805
- Option sewage Schweiz
- Option sewage EN1610 (air)

## MORE OPTIONS

- ZTV TKNetz 40 (SNR/glas fiber)
- Option Peaklogger
- Option EDS2 Datenlogger
- Option regulation test GDRA
- Free pressure tests
- [Annual fee option package „smart MPP“](#)

*Did you already know?*

On our website under [APPLICATION](#) you will now find concrete tasks from everyday work and the device technology required for these tasks.



## ESDERS CONNECT APP

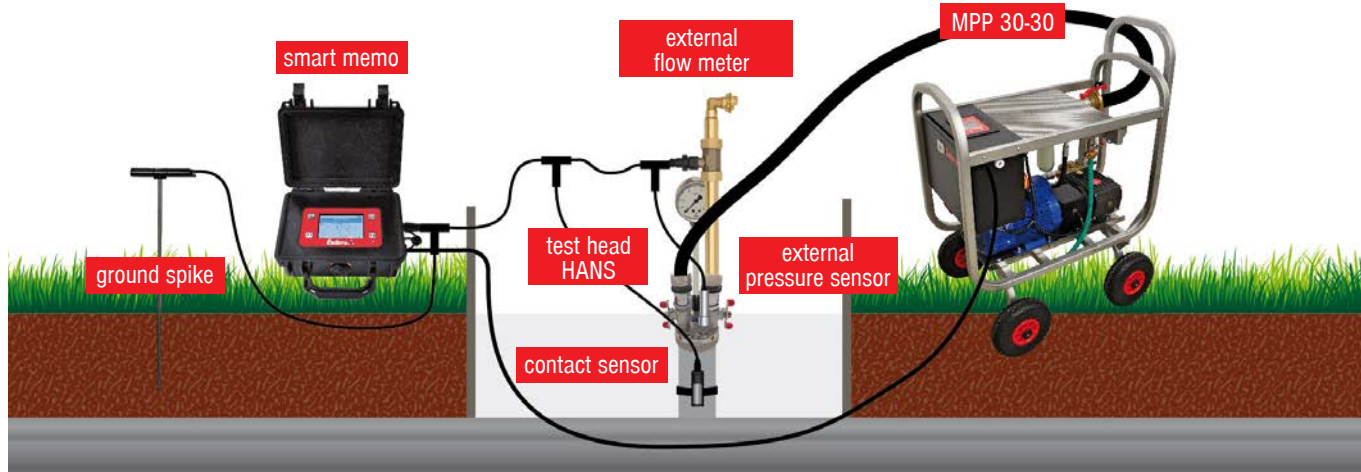
With our Esders Update Tool it is possible to upload different tests on the smart memo without having to send in the device. This is to update and upgrade the smart memo at a later date even with your customised settings and menu items. The big advantage for you is that the upgrade can be performed fully automatically from your workplace.

**Handle the same task and save time with the smart memo! Because time is money!**

By connecting several intelligent, interlinkable sensors, it is possible to simultaneously measure and document temperatures with high precision via the ground spike and contact sensor. The new smart function “Dynamic Pressure Test” automatically allows optimised pressure tests during the adjustment time with significant time savings.



## CONNECTION EXAMPLE



## TECHNICAL DATA

### SMART MEMO

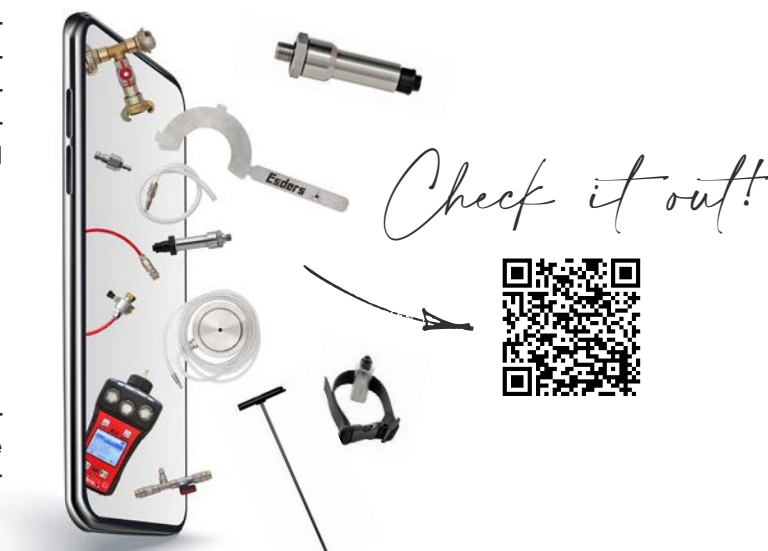
Dimensions	B x H x T approx. 220 x 90 x 168
Weight	approx. 1450 g
Display	240 x 160 Pixel, touch display and backlight
Power supply	Lithium-Ionen 7,2 V 10.000 mAh
Charging time	approx. 8 hours
Charging	Power supply or car adapter, 12 V
Operating time (without backlight, 20 °C, one sensor)	approx. 200 hours, every additional sensor -10 %
Operating time (with backlight 20 °C, one sensor)	approx. 100 hours
Operation and charging at the same time	yes
Operating temperatur	-10 to +40 °C
Storage temperature	-20 to +60 °C
Data storage	> 2.000.000 measured values (several thousand measurements, depends on the measurement time)
Protection type	IP 67 (when lid and protecting caps are closed)
Number of connectable sensors EDS2	up to 5 pieces
max. cable length for sensors	all in all approx. 100 m
Bluetooth	Interface for measurement data transfer, printer and updates/upgrades
LTE (optional)	E-Mail

### EXTERNAL SENSORS

Several external sensors (EDS2) can be connected simultaneously to the smart memo. Depending on the requirements of the regulations, sensors with a suitable measuring range and accuracy can be selected from the Esders range and connected to the smart memo.

- [Pressure sensors EDS2-P](#)
- [Temperature sensors EDS2-T](#)
- [Flow meter/water meter EDS2-V](#)

For a detailed overview of which pressure sensors, temperature sensors and flow meters are available in our product range, please visit our website:



Technical specifications subject to change! Status 2022/09



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