
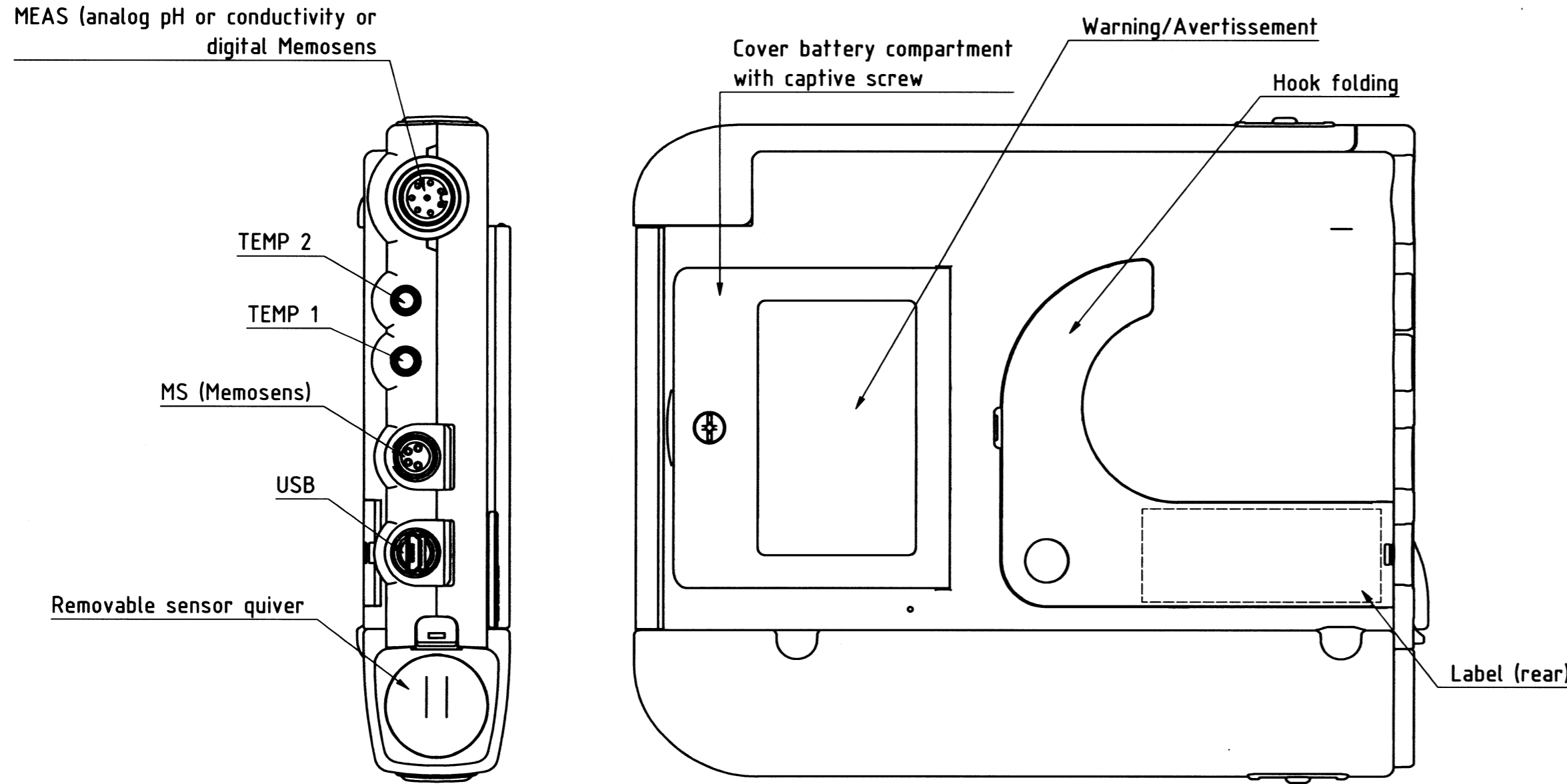


Hazardous (Classified) Location  
 Portavo 90\*X \*, Battery Powered pH and Conductivity Meter  
 Intrinsically Safe / Sécurité Intrinsèque  
 Class I, Division 1; Group A, B, C, D, T4/T3; Entity   
 Class I, Zone 0, AEx ia IIC T4/T3  
 Class I, Zone 0, Ex ia IIC T4/T3 Ga



**WARNING – To prevent ignition of hazardous atmosphere, batteries must only be changed in an area known to be nonhazardous.  
 Use only one of the following battery types and do not mix new with used batteries:**

**AVERTISSEMENT – Afin de prévenir l'inflammation d'atmosphères dangereuses, ne changer les batteries que dans des emplacements désignés non dangereux.  
 Employez uniquement un des types des piles suivants et n'utilisez pas en même temps des piles neuves et des piles usagées:**

Batteries (4x each) Piles (par lot de 4)	Temperature class Classe de température	Ambient temperature range Plage de température
4 x Duracell MN1500*	T4	-10 °C ≤ Ta ≤ +40 °C
4 x Energizer E91	T3	-10 °C ≤ Ta ≤ +50 °C
4 x Power One 4106	T3	-10 °C ≤ Ta ≤ +50 °C
4 x Panasonic Pro Power LR6	T3	-10 °C ≤ Ta ≤ +50 °C

\* The Duracell Plus Power 4ct (EAN: 5000394017641) is a type MN1500 battery.  
 La Duracell Plus Power 4ct (EAN: 5000394017641) est une pile du type MN1500.

**WARNING - Substitution of components may impair intrinsic safety.**

**AVERTISSEMENT - La substitution de composants peut compromettre la sécurité intrinsèque.**

	In type of protection intrinsic safety, with the following maximum values											
	Uo (V)	Io (mA)	Po (mW)	Ci (µF)	Li (mH)	Ex ia IIC		Ex ia IIB		Ex ia IIA		
pH Measuring (MEAS)	4.1	0.1	0.1	0	0	100	1000	1000	1000	1000	1000	Linear characteristic
Temperature Measuring (TEMP 1, TEMP 2)	4.1	4.4	4.6	0.123	0	99	1000	999	1000	999	1000	Linear characteristic
pH / Temperature Measuring (MEAS, TEMP 1, TEMP 2)	7.2	4.4	4.6	0.123	0	13.3	1000	239	1000	999	1000	Linear characteristic
Conductivity Measuring (MEAS)	7.2	36	36.9	0.0012	0	13.4	27	239	109	999	219	Linear characteristic
Conductivity / Temperature Measuring (MEAS, TEMP 1, TEMP 2)	7.2	40.6	41.7	0.124	0	13.3	22	239	88	999	176	Linear characteristic
Memosens Interface (1) (MS and/or MEAS)	4.6	113	130	3.62	0	96	2.8	996	11	996	22	Linear characteristic
USB - Interface (2) (Micro USB-B)												Um = 250 V

(1) or for connection of Memosens measuring cable type CA/MS-\*\*\*X\*\*, BVS 09 ATEX E 083 E  
 or for connection of Memosens measuring cable type CYK 10-G\*\*1, BVS 04 ATEX E 121 X  
 or comparable

(2) Only for use outside of an explosion hazardous area and with no sensor circuit lead in an explosion hazardous area.

The pH, Temperature and the Conductivity Measuring Loop, the Memosens Interface and the USB-Interface are galvanically connected.

cFMus

				Zul. Abweichungen für Maße ohne Toleranzangabe		Maßstab 1:1		Halbzeug Enclosure complete	
				Datum Name		Benennung		Portavo 90* X * Control drawing	
				03.08.2012 dam					
				Gepüft					
				Freigabe					
				Schutzvermerk nach ISO 9006 beachten.		Zeichnungsnummer		Blatt	
3 AM*204: Batterieaufdruck				16.12.20 kmn				209.009-110	
2 Seite 2 FM				08.05.15 dam				2	
1 Zulass. Nr., Werte				12.09.12 dam				2 Bl.	
Nr. Änderungen				Datum Bearb. Freigabe		Elektronische Messgeräte GmbH & Co. KG			



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