Catalog Pressure Aremeca

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Pictures are not contractual
The dead weight are designed to test, adjust and calibrate measuring instruments pressure compared with a set of weights.

### Range of Dead Weight tester

#### Models : BH4 or BA4

- **Automatically Dead weight**
  - **accuracy class 0.001% rd**
  - models with Oil BH4 sp*
    - BH4-30B (EM 0.1 -> 30 bar)
    - BH4-60B (EM 0.2 -> 60 bar)
    - BH4-120B (EM 0.5 -> 120 bar)
    - BH4-300B sp (EM 1 -> 300 bar)
    - BH4-600B sp (EM 2 -> 600 bar)
    - BH4-1200B sp (EM 2 -> 1200 bar)
    - BH4-2000B (EM 4 -> 2000 bar)
    - BH4-3000B (EM 4 -> 3000 bar)
    - BH4-4000B (EM 4 -> 4000 bar)
    - BH4-5000B (EM 4 -> 5000 bar)
  - models with Oil BH4 dp**
  - models with Air BA4
    - BA4-60B (EM 0.5 -> 60 bar)
    - BA4-120B (EM 1 -> 120 bar)
    - BA4-200B (EM 2.5 -> 200 bar)

- **Very high performance integrating a calculator** with dynamic visualization of the position of the piston, with automatic display of the pressure generated by the dead weight according to the temperature, to the atmospheric pressure and to the hygrometry, with  
  a connection for the transfer of the data on computer allowing a total traceability. This product is the essential tool for the calibration of high precision.

#### Models : BH3 or BA3

- **High performance Dead weight**
  - **accuracy class 0.01% rd**
  - models with Oil BH3 sp*
    - BH3-30B (EM 0.1 -> 30 bar)
    - BH3-60B (EM 0.2 -> 60 bar)
    - BH3-150B (EM 0.5 -> 150 bar)
    - BH3-300B sp (EM 1 -> 300 bar)
    - BH3-600B sp (EM 2 -> 600 bar)
    - BH3-1200B sp (EM 2 -> 1200 bar)
    - BH3-2000B (EM 4 -> 2000 bar)
    - BH3-2500B (EM 4 -> 2500 bar)
    - BH3-3000B (EM 4 -> 3000 bar)
    - BH3-4000B (EM 4 -> 4000 bar)
    - BH3-5000B (EM 4 -> 5000 bar)
  - models with Oil BH3 dp**
  - models with Air BA3
    - BA3-10B (EM 0.15 -> 10 bar)
    - BA3-60B (EM 0.5 -> 60 bar)
    - BA3-120B (EM 1 -> 120 bar)
    - BA3-200B (EM 2.5 -> 200 bar)

- **High performance, easy of use, strong design, they offer wide possibilities of application.** Used for the regular or intensive calibration. The range BH3 or BA3 integrates the motorization pulling the weight in rotation with visualization of the position of piston by indicator lights.

#### Models : BH2 or BA2

- **High performance, easy of use, strong design, they offer wide possibilities of application.** Used for the regular or intensive calibration. The range BH2 or BA2 doesn't integrate the motorization and the visualization.

#### Models : BH1 or BA1

- **Standards Dead weight**
  - **accuracy class 0.1% rd**
  - models with Oil BH1
    - BH1-30B (EM 0.5 -> 30 bar)
    - BH1-60B (EM 0.5 -> 60 bar)
    - BH1-120B (EM 0.5 -> 120 bar)
    - BH1-300B (EM 5 -> 300 bar)
    - BH1-600B (EM 5 -> 600 bar)
    - BH1-1200B (EM 5 -> 1200 bar)
  - models with Air BA1
    - BA1-1B (EM 1.5 -> 1000 mbar)
    - BA1-1B (EM 1.5 -> 900 mbar)
    - BA1-7B (EM 0.5 -> 7 bar)
    - BA1-30B (EM 0.5 -> 30 bar)
    - BA1-60B (EM 0.5 -> 60 bar)
    - BA1-120B (EM 0.5 -> 120 bar)

- **Simple piston only**

- **Standard dead weight, these devices allow simple and reliable calibration.** For the punctual calibration.

*sp : Simple piston **dp : dual piston

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Dynamic visualization of the position of the piston
Automatic display of the generated pressure
Connection for the transfer of data
Total traceability
Stainless weight, piston tungsten/steel

Noted : motorization/visualization optional on BH2-30B to BH2-5000B and BA2-10B to BA2-200B

BH2/BA2 without motorization et visualization

BH3/BA3 with motorization et visualization

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BH1-120B (EM 0.5 -> 120 bar)
BH1-60B (EM 0.5 -> 60 bar)
BH1-120B (EM 0.5 -> 120 bar)
BH1-300B (EM 5 -> 300 bar)
BH1-600B (EM 5 -> 600 bar)
BH1-1200B (EM 5 -> 1200 bar)

Simple piston only

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Manufacturer : AREMECA  -  ZI Sud Rue Marc Seguin -  41100 VENDOME
Sales Manager : Mrs REGAL ou Technical Manager : Mr MOUTARDIER

** BH2-600B sp**
** BH2-300B sp**
** BH3-200B**
** BH3-1200B dp**
** BH3-600B dp**
** BH3-300B dp**

*sp : Simple piston **dp : dual piston

** BH2-5000B**
** BH2-4000B**
** BH2-3000B**
** BH2-2500B**
** BH2-2000B**

Notes: BH3 sp*, models with Oil BH3 sp*, models with Oil BH3 dp**

<ref>models presented BH2-150B</ref>
<ref>models presented BH3-300B</ref>
<ref>models presented BH4-200B</ref>
<ref>models presented BH1-60B</ref>
Differential Dead weight
Differential dead weight are the reference instruments in the measurement of the pressures their accuracy and long term stability. Manufactured with high quality materials, these devices are highly accurate.

A BENEFIT OF A QUALITY!
We can demand offer a very wide range and design the entire desktop according to your specifications.

Ball Dead weight accuracy $10^{-4}$

- with AIR
  - BB2-4B (EM 0.05 -> 4 bar)
  - BB2-7B (EM 0.05 -> 7 bar)

The ball dead weight is an ideal model to test the low pressure precision devices such gauges, pressure sensors, transmitters etc.. It is provided with a flow regulator and connects quickly. Very easy to use, the balance and weight of game are integrated into a briefcase for travel on site.

Service all marks contact us

- **AREMECA**
  - Commercial and technical monitoring available and responsive,
  - A wide range of devices and high-quality accessories,
  - Possibility of a complete service offer: Installation, Commissioning etc. ..
  - Simple tariff includes: your device, its weight set and piston / cylinder

But also, benefits without extra !:
- Your Balance designed according to standard gravity ($g = 9.80665 \text{ m/s}$) or your choice (specify when ordering).
- The ability to choose the unit of your standard set of weights (Bar, PSI, Kg / cm$^2$).
Comparator of benches of comparison are intended for the calibration compared with a standard of manometers, sensors or transmitters of pressure and pressostats. Simple and fast of implementation. Ergonomic and strong conception.

**Hi-tech Comparator**

- ✓ models with Oil CH2
  - CH2-125B (EM 0 → 125 bar)
  - CH2-1250B (EM 0 → 1250 bar)
  - CH2-2000B (EM 0 → 2000 bar)
  - CH2-4000B (EM 0 → 4000 bar)
  - CH2-7000B (EM 0 → 7000 bar)

- ✓ models with Water CO
  - CO-800B (EM 0 → 800 bar)
  - CO-1000B (EM 0 → 1000 bar)

- ✓ models with Air CA2
  - CA2-200B (EM 0 → 200 bar)

**Standards Comparator**

- ✓ models with Oil CH1
  - CH1-125B (EM 0 → 125 bar)
  - CH1-1250B (EM 0 → 1250 bar)

- ✓ models with Air CA1
  - CA1-200B (EM 0 → 200 bar)

**Economics Comparators**

- ✓ models with Oil CEH
  - CEH-800B (EM 0 → 800 bar)
  - CEH-1250B (EM 0 → 1250 bar)

- ✓ models with Water CEO
  - CEO-700B (EM 0 → 700 bar)

**Portable Comparator**

- ✓ models with Oil CAH
  - CAH-1000B to come

- ✓ models with Water CAO
  - CAO-600B to come

- ✓ models with Air CAA
  - CAA-20B (EM -0.9 → 20 bar)
  - CAA - 200B to come

**SAV any brands to consult us**

*Technical Information: for any other fluid to consult us - data sheets available on the request*
Pressure Gauge models ADT 681
- ADT681 : precision 0.05% of EM - Temperature -10 to 50°C - dimension 110mm*85mm - connection M20*1.5 male

<table>
<thead>
<tr>
<th>Ref.</th>
<th>EM (bar)</th>
<th>Ref.</th>
<th>EM (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT681-1B</td>
<td>0 to 1</td>
<td>ADT681-140B</td>
<td>0 to 140</td>
</tr>
<tr>
<td>ADT681-7B</td>
<td>0 to 7</td>
<td>ADT681-200B</td>
<td>0 to 200</td>
</tr>
<tr>
<td>ADT681-20B</td>
<td>0 to 20</td>
<td>ADT681-700B</td>
<td>0 to 700</td>
</tr>
<tr>
<td>ADT681-70B</td>
<td>0 to 70</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ADT681b : precision 0.025% of EM - Temperature -10 to 50°C - dimension 110mm*85mm - connection M20*1.5 male

<table>
<thead>
<tr>
<th>Ref.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ADT681b-1B</td>
<td>0 to 1</td>
<td>ADT681b-140B</td>
<td>0 to 140</td>
</tr>
<tr>
<td>ADT681b-7B</td>
<td>0 to 7</td>
<td>ADT681b-200B</td>
<td>0 to 200</td>
</tr>
<tr>
<td>ADT681b-20B</td>
<td>0 to 20</td>
<td>ADT681b-700B</td>
<td>0 to 700</td>
</tr>
<tr>
<td>ADT681b-70B</td>
<td>0 to 70</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pressure gauge models ADT 672
- ADT672 : precision 0.05% of EM - Temperature -10 to 50°C - dimension 120mm*46mm - connection M20*1.5 male

<table>
<thead>
<tr>
<th>Ref.</th>
<th>EM (bar)</th>
<th>Ref.</th>
<th>EM (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT672-1B</td>
<td>0 to 1</td>
<td>ADT672-700B</td>
<td>0 to 700</td>
</tr>
<tr>
<td>ADT672-7B</td>
<td>0 to 7</td>
<td>ADT672-1000B</td>
<td>0 to 1000</td>
</tr>
<tr>
<td>ADT672-20B</td>
<td>0 to 20</td>
<td>ADT672-1600B</td>
<td>0 to 1600</td>
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<tr>
<td>ADT672-70B</td>
<td>0 to 70</td>
<td>ADT672-2000B</td>
<td>0 to 2000</td>
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<tr>
<td>ADT672-140B</td>
<td>0 to 140</td>
<td>ADT672-2500B</td>
<td>0 to 2500</td>
</tr>
<tr>
<td>ADT672-200B</td>
<td>0 to 200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- ADT672b : precision 0.025% of EM - Temperature -10 to 50°C - dimension 120mm*46mm - connection M20*1.5 male

<table>
<thead>
<tr>
<th>Ref.</th>
<th>EM (bar)</th>
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</tr>
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<tbody>
<tr>
<td>ADT672b-1B</td>
<td>0 to 1</td>
<td>ADT672b-140B</td>
<td>0 to 140</td>
</tr>
<tr>
<td>ADT672b-7B</td>
<td>0 to 7</td>
<td>ADT672b-200B</td>
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<td>0 to 20</td>
<td>ADT672b-700B</td>
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</tr>
<tr>
<td>ADT672b-70B</td>
<td>0 to 70</td>
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</tbody>
</table>

Pressure gauge models XP2i
- XP2i : precision 0 to 20% of EM ±0.02% of the full scale and 20% to 100% of EM ±0.1% of the value of reading - Temperature -10 to 50°C - dimension 115mm*36mm - connection M20*1.5 male

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>XP2i-1B</td>
<td>0 to 1</td>
<td>XP2i-140B</td>
<td>0 to 140</td>
</tr>
<tr>
<td>XP2i-2B</td>
<td>0 to 2</td>
<td>XP2i-200B</td>
<td>0 to 200</td>
</tr>
<tr>
<td>XP2i-7B</td>
<td>0 to 7</td>
<td>XP2i-300B</td>
<td>0 to 300</td>
</tr>
<tr>
<td>XP2i-20B</td>
<td>0 to 20</td>
<td>XP2i-700B</td>
<td>0 to 700</td>
</tr>
<tr>
<td>XP2i-30B</td>
<td>0 to 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP2i-70B</td>
<td>0 to 70</td>
<td></td>
<td></td>
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</tbody>
</table>

Pressure gauge models Barflex
- Barflex EA5 : precision 0.1% - Température -20 to 85°C - dimension 65mm*98mm *35mm - connection G1/2

<table>
<thead>
<tr>
<th>Ref.</th>
<th>EM (bar)</th>
<th>Ref.</th>
<th>EM (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BARFLEX-24B</td>
<td>-1 to 24</td>
<td>BARFLEX-600B</td>
<td>0 to 600</td>
</tr>
<tr>
<td>BARFLEX-100B</td>
<td>0 to 100</td>
<td>BARFLEX-1000B</td>
<td>0 to 1000</td>
</tr>
<tr>
<td>BARFLEX-200B</td>
<td>0 to 200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For pressure gauge in PSI or other units, to consult us.
Suitcase with connectors

Cylindrical connectors
✓ ref OP0174 : suitcase with 5 metrics connectors
Contains: M10 x 100 ; M12 x 150 ; M16 x 150 ; M18 x 150 ; M20 x 150
✓ ref OP0171 : suitcase with 4 Gas cylindrical connectors
Contains: G1/8 ; G1/4 ; G3/8 ; G1/2

Conical connectors
✓ ref OP0172 : suitcase with 4 connectors NPT
Contains: 1/8 NPT ; 1/4 NPT ; 3/8 NPT ; 1/2 NPT
✓ ref OP0173 : suitcase with 4 connectors BSP-TR
Contains: 1/8 BSP-TR ; 1/4 BSP-TR ; 3/8 BSP-TR ; 1/2 BSP-TR

✓ ref OP0037 : suitcase with 17 connectors below:
- Cylindrical connectors: M10 x 100 ; M12 x 150 ; M16 x 150 ; M18 x 150 ; M20 x 150 ; G1/8 ; G1/4 ; G3/8 ; G1/2
- Conical connectors: 1/8 NPT ; 1/4 NPT ; 3/8 NPT ; 1/2 NPT ; 1/8 BSP-TR ; 1/4 BSP-TR ; 3/8 BSP-TR ; 1/2 BSP-TR

✓ ref OP0057 : Accessories case
1 set of manometer unions : 1/2 and 1/4 gas ; 1/2 and 1/4 NPT
+ 90° elbow union
+1 flat spanner
+1 assembly for assembly / disassembly of needles
+1 hammer

✓ Connector individually
All standards connectors are available individually – Ability connectors specifics request, please contact us
Model: **PM-20B**
Hand pump (EM 0.85 ->20 bar / 0 ->290 PSI)

✔ **Description**

The hand pump PM-20B is a simple tool that allows fast and robust verification of your meter up to 20 bars. This assessor mounts quickly, it's broad base provides stability and comfort. Delivered in a hard suitcase you can carry anywhere.

The support can be only sold.
There are two models: 600 Bar (ref. OP0182) or 1250 Bar (ref. OP0180) - exit 1/8 gas conical.

Model: **OP0158**
Hand pump (volume 327 cm³) until 700 bar

✔ **Description**

The hand pump OP0158 is an essential accessory to increase the volume of oil useful for calibration of your device. Design ultra lightweight and compact, with a reservoir filled nylon fiberglass and aluminum, this hand pump offers maximum resistance to corrosion and can contain a large oil capacity: 327 cm³. Maximum pressure 700 bars. It should be use with an comparator.

Practical and ergonomic, it requires a little effort of pumping under the lever providing less fatigue for the user.
**Cleaning kit**

**Model:** OP0025  
**drain kit**

✓ **Description**  
The drain kit is useful to draw deposits and contaminated oils in your tank. This hand pump can quickly and easily clean your device.

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**Model:** OP0062  
**Cleaning bench**

✓ **Description**  
This bench has been designed to prepare the instruments to be calibrated (cleaning, filling) before installation on calibration bench. The use of this bench will reduce significantly the risk of contamination of pressure generators and dead weigh testers. This preparation bench is not suitable for any vacuum instruments.

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**Model:** OP0023  
**Fluid separator**

✓ **Description**  
All fluid separator several advantages: insulated your device to be calibrated and so not to contaminate your bench – prevents emptying and cleaning of your device to calibrate if using another fluid than your bench – use up to 800 bars
<table>
<thead>
<tr>
<th>Model to use</th>
<th>Some examples of fluids</th>
</tr>
</thead>
</table>
| Membrane Viton (Inclusive with separator) | Oils  
                Alcohols  
                Fuels  
                Lubricants  
                Fuels  
                Synthetic hydraulic fluid  
                Minreal Acids  
                Aliphatic or aromatic Hydrocarbons  
                Esters  
                Ethers of low molecular weights  
                Cétones  
                Amines  
                Acids fluorydric, chlorosulfonic ou nitric concentrated and hot |
| membrane Butyl (in option) | Minerals concentrated acids (fluororydric, chlorodyric, sulfuric, nitric, phosphoric) as well as in thei salts  
                Organic Acids (acetic, lactic..)  
                Ammonia water and concentrated alkalis  
                Oils and vegetable or animal fats  
                Halogenic or nitrated by products  
                Cétones, alcohols and esters  
                Skydrol brake fluid and Girling 6293  
                Hydrocarbons (oil, fats)  
                Aliphatic, aromatic or chlorinated solvents |

Note: in case of doubt consult us for the check of the compatibility of your fluid
Modèle (Model) : OP0101
Boîte métal de transport masses

✓ **Déscripif**
Cette boîte métal permet de transporter facilement votre jeu de poids. Encombrement réduit, design sobre, ce rangement est tout à fait adapté pour ranger et protéger vos masses.

This box metal allows to transport easily your set of weigh. Dimensions reduce, sober design, this arrangement is completely adapted to tidy up and protect your masses.

Modèle (Model) : OP0099 et OP0095
Mallettes aménagement jeu de poids

✓ **Déscripif**
Ces valises de finitions modernes et robustes ont été conçues pour optimiser votre confort d'utilisation.

En effet, elles servent d'une part à transporter en toute sécurité votre jeux de poids, qui se trouve rangé verticalement, isolant chaque masse évitant ainsi tout frottement ou rayure lors du transport. Mais le véritable point fort se trouve au niveau du fond de la valise, car il permet à l'utilisateur de placer le jeux de poids à hauteur adéquate et d'aménager très rapidement son poste de travail. Cette ergonomie de poste : facilite l'accès et la prise des masses, limite leur manutention, permet un contrôle visuel des masses.

These suitcases of modern and strong finishes were designed to optimize your user-friendliness.

Indeed, they serve on one hand to transport in complete safety your weighty, which is orderly vertically, isolating every weight so avoiding any friction or stripe during the shipping.

But the real key point is at the level of the bottom of the suitcase, because he allows the user to place set of weight at adequate height and to fit out very quickly his workstation. This ergonomics of post : facilitate the access and the grip of the masses, limits their handling, allows a visual control of the masses.

Modèle (Model) : OP0002
Valise de transport à roulette pour balances manométriques ou compresseurs

✓ **Déscripif**
Idéal pour transporter votre balance ou compresseur en toute sécurité.

Ideal to transport your dead weight or comparator in complete safety

Modèle (Model) : OP0029
Capot de transport compresseurs eco type CEH ou CEO

✓ **Déscripif**
Idéal pour transporter votre compresseur en toute sécurité.

Ideal to transport your comparator in complete safety
Modèle (Model): OP0192 (ap. non motorisés) ou OP0193 (ap. motorisés)
Carter de protection balances et compresseurs

✓ **Descripif**
Idéal pour réaliser des points de mesure dans un environnement stable et protéger votre appareil. Ce carter permet également d'assurer la sécurité de votre opérateur.

Ideal to realize test points in a stable environment and protect your device. This crankcase also allows to assure the safety of your operator.

OP0192 device without motorization - OP0193 device with motorization
SAV any brands
(Budenberg, Desgranges et Huot, Bourdon...)

Certificate COFRAC ou DAkkS

to consult us !!

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Mail : d.regal@aremeca.fr

Technical Manager : Frédéric MOUTARDIER
Mail : f.moutardier@aremeca.fr