

## Accu-NiMH 4Ah

Figure 1 – Accu (stick pack)

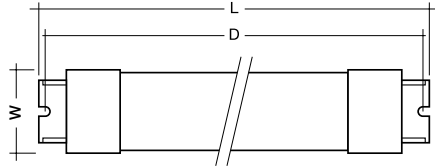
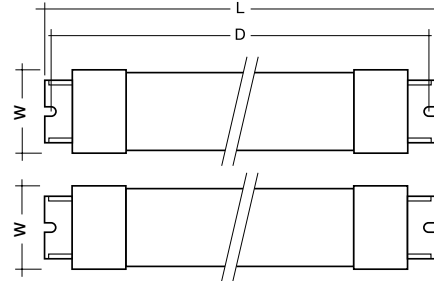


Figure 2 – Accu (stick + stick pack)



### Description

A range of NiMH 4Ah accu packs in low profile section for use with the TridonicAtco range of Emergency units.

### Features

- Low profile 22 mm diameter (excluding fixing), 26 mm diameter with fixing caps
- Environmentally friendly – no cadmium
- High temperature 50 degree continuous operation ①
- Good charge efficiency at high temperature

- High energy retention
- 4 year design life
- 4.2Ah typical capacity gives extra capacity for longer life
- Available in 4, 5 and 6 cell packs
- Spade terminals for simple connection
- Complete with polycarbonate fixing caps and leads
- Connection can be made with end caps in place
- Quality European manufacturer

### Standards

The battery cells are designed to comply with the IEC international standard and tested according to the normative permanent charge endurance test described in the IEC 61951-2 standard. This performance is mandatory for use in Emergency Lighting Units to comply with the IEC 60598 2.22.

### Packaging:

25 pieces per box

Accu-NiMH 4.0 Ah Cs cells	number of cells	article number	figure	L mm	D mm	W mm	H mm	weight g
<b>Accu (stick)</b>								
Accu-NiMH 4Ah C 4A	4	89899850	1	276	260	25	26	318
Accu-NiMH 4Ah C 5A	5	89899851	1	336	320	25	26	395
Accu-NiMH 4Ah C 6A	6	89899852	1	396	380	25	26	469
<b>Accu (stick + stick)</b>								
Accu-NiMH 4Ah C 5C	3+2	89899978	2	215 + 155	200 + 140	25	26	405
Accu-NiMH 4Ah C 6C	3+3	89899853	2	215	200	25	26	487

### Technical data Accu

Case temperature range to ensure 4 years design life	0 °C to +50 °C ①
Storage life in temperate conditions (see "Storage" below)	4 years
Battery voltage per cell	1.2V
Capacity Cs	
Rated minimum capacity	4Ah
Typical capacity	4.2Ah
Typical weight per cell	74 g
Bare cell dimensions:	
• Diameter	22 mm
• Height	60 mm

① Consult individual emergency module data sheet for maximum allowable temperatures.

### Storage

- Batteries should be stored within the specified temperature range in low humidity conditions. Optimal storage conditions are:
  - temperature: +5 °C to +25 °C
  - humidity: 65 % ±20 %
- Avoid atmosphere with corrosive gas
- It is recommended to disconnect the battery before store or delivery
- Avoid to store the batteries discharged
- A long term storage in open circuit leads to battery self discharge and deactivation of chemical components. It could be required to charge and discharge the batteries a few times to recover the initial performance.

### Mechanical details

#### Battery leads

- Quantity: 1 red and 1 black
- Length: 1,300 mm
- Wire type: 0.5 mm<sup>2</sup> solid conductor
- Insulation temperature rating: 90 °C

#### Battery end termination

Push on 4.8mm receptacle to suit battery soade fitted with insulating cover

#### Module end termination

8.0 mm stripped insulation

Two-piece batteries are supplied with a 200 mm lead with 4.8 mm receptacles at each end and insulating covers to connect the separate sticks together. Connect two battery sticks in series by connecting plus to minus.

#### Batteries

Connection method: 4.8x0.5 mm spade tag welded to end of cell.

For stick packs this connection is accessible after the battery caps have been fitted.

To inhibit inverter operation disconnect the batteries by removing the connector from the battery spade tag.