

Power supply for compressed air flow meters

24 V DC, 1 A, with M12 connector

Series: S-KE7P



Overview

Product type	Plug-in power supply for compressed air flow meters
Output	24 V DC, 1 A
Connection	M12 connector, fits the M12 plug of the meter
Suitable for	Tameson SKUs M28AP, M28AQ, M28AR, M28AS (R 1/2" to R 2")
Use	Stand-alone operation as a display-only unit
Weight	Approx. 185 g

Description

This power supply powers one of the compressed air flow meters M28AP, M28AQ, M28AR or M28AS when the meter is used stand-alone, as a display-only unit without a control system. It delivers 24 V DC, 1 A and plugs into the M12 connector of the meter.

The meter has one M12 connector for both its power supply and its outputs. While this power supply is connected, the switching, analog, pulse and IO-Link outputs cannot be used. When the meter is connected to a PLC (programmable logic controller) or another control system, it is powered through its control cable instead, and this power supply is not needed.

Features

- ▶ Stand-alone operation of the meter without a control system
- ▶ One power supply for all 4 meter sizes, R 1/2" to R 2"
- ▶ Direct fit on the M12 connector of the meter

Technical data

Output voltage	24 V DC
Output current	1 A
Connection to the meter	M12 × 1 connector
Dimensions	Power supply 74 × 29 mm, M12 connector 50 mm long (see drawing)
Weight	Approx. 185 g

Models

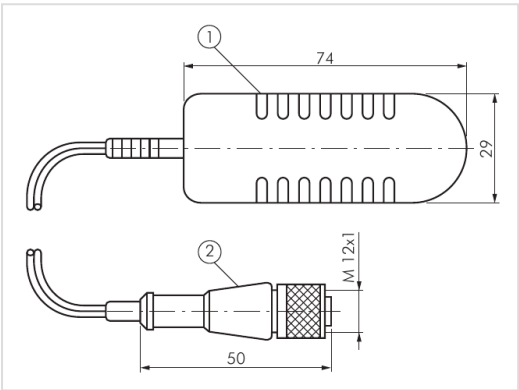
Tameson SKU	Output	Connection to the meter	Weight
M28AT	24 V DC, 1 A	M12 × 1 connector	Approx. 185 g

Compatible meters

The power supply fits all 4 sizes of the IFM compressed air flow meter range in this assortment.

Tameson SKU	Meter type	Connection	Measuring range
M28AP	SD6500	R 1/2"	4 - 1,250 NI/min
M28AQ	SD8500	R 1"	14 - 3,750 NI/min
M28AR	SD9500	R 1 1/2"	20 - 6,830 NI/min
M28AS	SD2500	R 2"	40 - 11,670 NI/min

Dimensions



Dimension	Value
Power supply (1), length × height	74 × 29 mm
M12 connector (2), length	50 mm
Connector thread	M12 × 1

Connection

1. Disconnect the meter from any control system cable.
2. Plug the M12 connector of the power supply into the M12 plug of the meter and tighten the knurled nut.
3. Plug the power supply into the mains socket. The meter starts and shows its readings on the display.

Information

With the power supply connected, no signals reach a control system. To use the outputs, connect the meter to the control system with an M12 cable; the control system then supplies the meter.

⚠ Warning

Use only an undamaged power supply and cable. Disconnect the power supply from the mains before connecting or disconnecting the M12 connector.

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