



### Rosemount 8714D

The Rosemount 8714D Magnetic Flowmeter Simulator attaches to an 8712, or 8732 transmitter's sensor connections to ensure traceability to NIST standards and long-term accuracy of the flowmeter system. The 8714D is not compatible with the 8712H High-Signal transmitter

**Table 13. Rosemount 8714 ordering information**

Model	Description
8714DQ4	Magnetic Flowmeter Simulator - Reference Calibration Standard

### Tagging styles

#### Name Plate

1 Line - 30 Characters

#### Wire-on

5 Lines - 30 Characters per line

### Ordering procedure

To order, select the desired sensor and/or transmitter by specifying model codes from the ordering table.

For remote transmitter applications, note the cable specification requirements.

Sensors and transmitters must be selected from Product Data Sheet 00813-0100-4727.

### Standard configuration

Unless the Configuration Data Sheet is completed, the transmitter will be shipped as follows:

Engineering Units:	ft/sec
4 mA (1 V DC):	0
20 mA (5 V DC):	30
Sensor Size:	3-in.
Empty Pipe:	On
Sensor Calibration Number:	1000005010000000

Integrally Mounted Rosemount 8732 Transmitters are factory configured with the attached sensor size and appropriate calibration number.

### Cable requirements for remote transmitters

Description	Length	P/N
Electrode Cable (20 AWG) Belden 8762, Alpha 2411 equivalent	ft m	08712-0061-0001 08712-0061-2003
Coil Drive Cable (14 AWG) Belden 8720, Alpha 2442 equivalent	ft m	08712-0060-0001 08712-0060-2003
Combination Cable Electrode Cable (20AWG) and Coil Drive Cable (18 AWG) <sup>(1)</sup>	ft m	08732-0753-1003 08732-0753-2004

(1) Combination signal and coil drive cable is not recommended for high-signal magmeter system.

Remote transmitter installations require equal lengths of electrode and coil drive cables. Integrally mounted transmitters are factory wired and do not require interconnecting cables.

Individual cable lengths from 5 to 1000 ft. (1.5 to 300 m) may be specified. Cable longer than 100 ft. (30 m) is not recommended for high-signal systems. Combination signal and coil drive cable should be limited to less than 330 ft (100 m). All cables will be shipped with the sensor.

### Custom configuration (Option Code C1)

If Option Code C1 is ordered, the Configuration Data Sheet (CDS) must be submitted at the time of order.