

# TEMPERATURE PROBE ACCESSORIES

---

## CONNECTION TERMINATION HEADS - SCH4 SERIES

- > MULTI-ENTRY
- > HOUSES 1 OR 2 TRANSMITTERS
- > SEALED TO IP67
- > ENTRY THREAD SELECTION
- > DIGITAL DISPLAY OPTION



### INTRODUCTION

The SCH4 series of probe connection heads has a wide range of entry sizes and positions. The head will accept standard connecting blocks and most standard head mounting transmitters. It also has two pillars for self tapping screws which enable a low cost terminal block to be fitted for Energy Management applications. Moulded in general purpose ABS, the external fixing points provide a simple and rapid means of mounting sensors directly onto ducts, dispensing with the need for separate mounting plates.

The unit is supplied fully assembled and consists of a body, cap, locking nut and sealing rings. Accessories include, a cap retaining chain or strap, clip in blanking plugs, OEM labels and mounting kits. The unit can also be supplied in separate parts. The only tool required for assembly is an 8 mm Allen Key.

#### BODY

Four body types are available:- single side entry, double side entry, single side and bottom entry or double side and bottom entry. All entry ports may be used for sensor or cable entry as required.

#### CAP

A low profile cap is used for general purpose applications and a high profile cap can be used when duplex sensors/transmitters are required.

Alternatively the connecting body can be supplied without a cap for use with the DM600 & 700 series of indicators. The display cap may be rotated to any position (within the constraints of the internal wiring) to obtain the optimum viewing angle. All caps are interchangeable, so it's easy to use a local display during set up and then fit a low profile cap.

### ACCESSORIES

Mounting kits are available for mounting the SCH4 directly onto a pipe or wall or where it is not practical to use the fixing points on the body. The pipe mounting kit is supplied complete with 1 metre of stainless steel strap and fitting instructions.

SMK series spring mounting kits are used in conjunction with connecting blocks, transmitters and Style 3 sensors to ensure that the sensor insert tip is permanently in contact with the pocket.

A kit for mounting the SCH4 head on a "Top Hat" profile DIN Rail is available.



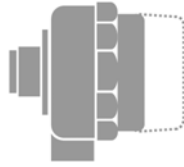
# TEMPERATURE PROBE ACCESSORIES

## TERMINATION HEAD STYLES

### SCH4 - DETAILS

Material	ABS Plastic
Protection	<b>IP67</b>
Mounting	Sensor, Wall, Duct, Pipe

### PROFILE



### SCH4 - OUTLINE DIMENSIONS

Screw Cap	
Body Profile	Standard (108 x 85 x 70) mm
High Profile	(105 x 85 x 97) mm max.
Base Entry	
Side Entry	

### SCH5 - DETAILS

Material	Aluminium Alloy
Protection	<b>IP65</b>
Mounting	Sensor only

### PROFILE



### SCH5 - OUTLINE DIMENSIONS

Hinged Flip Cap	
Body Profile	(83 x 85 x 110) mm max.
Sensor Entry	M24
Cable Entry	PG16/M20 Adaptor

### SCH6 - DETAILS

Material	316 Stainless Steel
Protection	<b>IP67</b>
Mounting	Sensor only

### PROFILE



### SCH6 - OUTLINE DIMENSIONS

Screw Cap	
Body Profile	(72 x 55 x 50) mm max.
Sensor Entry	M24 ½" BSP, ½" NPT, ½" BSPT
Cable Entry	M20

### SCH11 - DETAILS

Material	Aluminium Alloy
Protection	<b>IP67</b>
Mounting	Sensor only

### PROFILE



### SCH11 - OUTLINE DIMENSIONS

Screw Cap	With retaining chain
Body Profile	(120 x 103 x 38) mm max.
Sensor Entry	M24
Cable Entry	M20

# TEMPERATURE PROBE ACCESSORIES

## CB SERIES CONNECTING BLOCKS

DIN Standard Connecting Blocks suitable for mounting directly into SCH Series Connecting Heads.

### CB4

CB4/C 4 way Ceramic

CB4/P 4 way Plastic



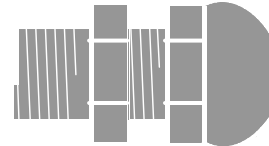
### CB6/C

CB6/C 6 way ceramic



## CABLE GLANDS

Material	Tough nylon gland
Colour	Grey RAL 7001 Neoprene bush
Standards	Seals to IP68 Bar 5 (IEC144, BS5420), glands to VDE, UL, CSA and SEV.
Temp. range	Static: (-40 to 100) °C
Thread Type	PG or ISO metric



# TEMPERATURE PROBE ACCESSORIES

## ORDER CODE: SCH4 CONNECTING HEAD

SCH4	/	BODY TYPE	/	CAP TYPE	/	BASE ENTRY	/	SIDE ENTRY A	/	SIDE ENTRY B	/	OPTION
1 Side Port		A										
2 Side Ports		B										
1 Side & 1 Base Port		C										
2 Sides & 1 Base Port		D										
Low Profile Cap Standard				L								
High Profile Cap				D								
No Cap Fitted				O								
Not Fitted								00				
M16 Thread								16				
M20 Thread								20				
M24 Thread								24				
½" BSP Thread								.5 BSP				
½" NPT								.5 NPT				
Cap Retaining Chain												2
Cap Retaining Strap												3

Example SCH4/C/0/24/20/00/03

The DM400 assembly on a B style base with a single M24 base entry and an M20 side entry fitted with a cap retaining strap.

## ORDER CODES: SCH OTHER

SCH	/	STYLE
		5
		6
		11

## ORDER CODES: MOUNTING KITS

SMK	/	1	SEM104, 203, 205, 210, CB4C, CB6C
SMK	/	2	SEM110
RMK	/	1	SEM104, 203, 205, 210
RMK	/	2	SEM110
PMK	/		Max. Pipe Diameter Outside 305 (12") 610 (24")
PMK	/	SCH4	
WMK	/	SCH4	

## ORDER CODES: CONNECTING BLOCKS

CB	/	NO. OF WAYS	/	MATERIAL
Number of Ways		4		
		6		
Plastic (4 way only)				P
Ceramic				C

## ORDER CODES: CABLE GLANDS

34-255-9960-01 M16 IP66 Nylon Cable Gland - 4/8 mm cable