

# Head-mounted Two-wire Signal Conditioners 27-UNIT Series



4-wire  
Signal Conditioners

2-wire  
Signal Conditioners

Power Transducers

Indicators

Limit Alarms

Gateway,  
Remote I/O

Paperless Recording  
System

PC Recorder

Electronic Actuators  
& Position Sensors

Lightning Surge  
Protectors

Two-wire  
Product Selection Guide

27-UNIT Series

26-UNIT Series

B6-UNIT Series

B3-UNIT Series

B5-UNIT Series

6-UNIT Series

T-UNIT Series

B-UNIT Series

Two-wire Signal Conditioners

## I/O range programming via PC Configurator HART communication capability. ATEX and FM approval

- Function monitor LED optional (27R, 27RS)
- HART programmable (27HU, 27HU-B)
- 4-digit LED indicator optional (27HU-B)



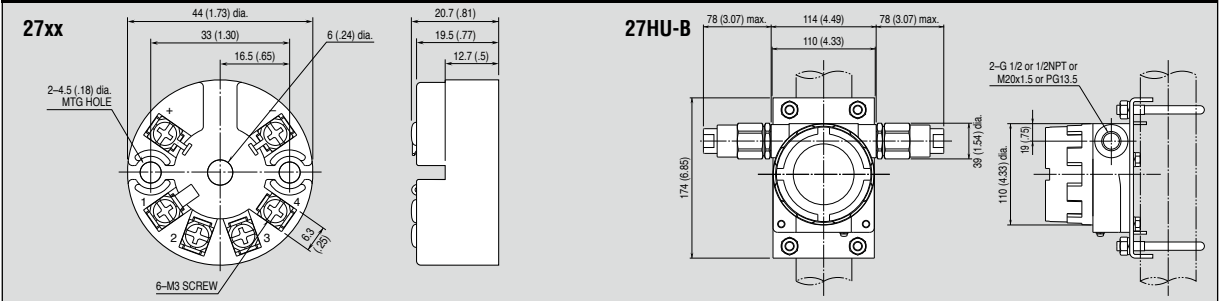
### SPECIFICATIONS

<b>Construction</b>	Sensor head-mounting
<b>Connection</b>	M3 screw terminals (nickel-plated brass; torque 0.5 N-m)
<b>Housing material</b>	Flame-resistant resin (black)
<b>Isolation</b>	Input to output
<b>Cold junction compensation</b>	CJC sensor incorporated
<b>Self diagnostics</b>	Detects internal error, burnout
<b>Mounting</b>	Head-mounting (DIN type B head)
<b>Supply voltage</b>	9 – 35V DC (non-approved)
<b>Dielectric strength</b>	1500V AC @1 minute (input to output)

### SPECIFICATIONS (model: 27HU-B)

<b>Construction</b>	Outdoor enclosure
<b>Degree of protection</b>	NEMA 4X, IP65
<b>Transmitter material</b>	Flame-resistant resin (black)
• <b>Housing</b>	
• <b>Electrical connection</b>	M3 screw terminals (nickel-plated brass; torque 0.5 N-m)
<b>Indicator material</b>	Flame-resistant resin (black)
• <b>Housing</b>	
• <b>Electrical connection</b>	Terminal block
<b>Enclosure material</b>	Diecast aluminium standard; stainless steel casting optional (equivalent to type 316); silver color, epoxy resin coated
<b>Mounting bracket assembly</b>	Stainless steel 304
<b>Applicable pipe</b>	1 1/2" min.; 2" max.
<b>Isolation</b>	Input to output to outdoor enclosure

### EXTERNAL DIMENSIONS



### Field-mounted Transmitters

Model	Function	Page
27HU-B	2-wire Universal Temperature Transmitter (HART communication, outdoor enclosure, explosion-proof)	P.79

### Head-mounting Transmitters

Model	Function	Page
27HU	2-wire Universal Temperature Transmitter (HART communication)	P.79
27U	2-wire Universal Temperature Transmitter (PC programmable)	P.80
27TS	Thermocouple Transmitter (PC programmable)	P.80
27R	RTD Transmitter (PC programmable; non-isolated)	P.81
27RS	RTD Transmitter (PC programmable)	P.81

### Accessories, Related Products

Model	Function	Page
A-6	Mounting Spacer	***
A-34	DIN Rail Mounting Adaptor	***
6DV	4-digit Loop Powered Indicator (intrinsically safe)	P.131
6DVI	4-digit Loop Powered Indicator (intrinsically safe)	P.131
6BX-E	Outdoor Enclosure	***
COP-H	Bell202 Modem (RS-232C interface)	***
COP-HU	Bell202 Modem (USB interface)	***
M2DYH	Current Loop Supply (applicable to HART signal)	P.19
A3DYH	Current Loop Supply (applicable to HART signal)	***

To find a product in the list with "\*\*\*", visit M-System Data Library. If you cannot find a product here, please contact: info@m-system.co.jp